

Technical Announcement					
Issued by	IMSBU HMI	Author (s)	Tina, Lee	Security Classification	☑ General □ Confidential
Issue No.	HMI16010800		Released Date	Februar	y 04, 2016
Recipient	Product Mana	ger, BU Sales	Representative, C	Global Service Pa	rtners

Purpose:

After updating, the DOPSoft software version of DOP series product is 2.00.05:

- Firmware version of DOP-B model: 3.0092
- Firmware version of DOP-W model: 3.0073
- Firmware version of DOP-H model: 3.0092
- Firmware version of HMC model: 3.0160

Descriptions:

- 1. Applicable model: DOP-B / DOP-W / DOP-H / HMC series
- 2. Correcting items of software/firmware:
 - 2.1 Fixed bug: HMI is lagging when switching language
 - 2.2 Fixed bug: Changes on "CSV Format" option cannot be stored
 - 2.3 Fixed bug: HMI shows communication error after connecting to PLC for a while
 - 2.4 Fixed bug: HMI's screen is frozen after connecting to multiple PLCs over network for a while
 - 2.5 Fixed bug: Customized Modbus TCP Server port cannot be used
 - 2.6 Fixed bug: WPL V2.40 file format is not supported
 - 2.7 Fixed bug: Screen data printed in horizontal direction by ePrinter is skew
 - 2.8 Fixed bug: HMI cannot get IP address while it is running already

2.9 Fixed bug: HMI cannot retain recipe data after power down and up when non-volatile storage is set to HMI

2.10 Fixed bug: Certain operations performing writing data to USB storage will cause HMI screen frozen, e.g. exporting recipe to USB storage and copying files from HMI to USB in "System Menu" 2.11 Fixed bug: Executing "Alarm Moving Sign" in "Alarm Setup" or "Alarm Moving Sign" element will cause HMI screen frozen

2.12 Fixed bug: After user switch language and examine "Alarm History Table", entering "System Menu" or downloading projects will cause HMI failed

- 2.13 Fixed bug: "Auto Update" cannot function on "B03S211" and "B03E211" when booting
- 2.14 Fixed bug: Position offset is observed when pressing on HMI screen



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2.15 Fixed bug: Executing macro "EXHISTORY" will cause HMI fail when "Non-volatile" storage of "History Buffer" is set to HMI and "Export CSV File" is checked

2.16 Fixed bug: When HMI macro accesses controller Allen Bradley Ethernet IP(Controllogix, Compactlogix) (Use Tags)'s address, HMI will have "Run out of Mem" error

2.17 HMI fails when controller Siemens S7 200 SMART (ISO TCP)'s address Q0.0 is set ON

2.18 Fixed bug: When HMI runs as PLC in "Online Simulation Mode" with wrong connection setup, it shows "Run out of memory" error

2.19 Fixed bug: FlashTransfer shows errors when it reads data whose size is more than 16 words in "Historical Buffer"

- 3. Newly added function of software / firmware:
 - 3.1 FTP Server function
 - 3.2 Advanced alarm function
 - 3.3 The alarm export and import file format now supports Excel
 - 3.4 Button of Sound Setting is now available in DOP-W series HMI
 - 3.5 Full screen and Time slider control
 - 3.6 Tag function is now supported by element and macro
 - 3.7 When entering the password in DOP-W series HMI, users no longer need to select the security level
 - 3.8 After scanning the barcode, there is no need to write the data into its address by pressing the Enter button
 - 3.9 DOP-B10VS511 VGA Input supports scanning frequency of 60 Hz
 - 3.10 Number of M device supported by HMC series HMI increases to 8192
 - 3.11 DVP 12SE and DVP EH3 / DVP EH3-L models support PLC upload/download function
 - 3.12 Network type HMIs, including DOP-B, DOP-H and HMC support HMI Doctor function for online self-verification
 - 3.13 Add PLC Controllers
- 4. Location for downloading the software:

http://www.deltaww.com/services/DownloadCenter2.aspx?secID=8&pid=2&tid=0&CID=06 &itemID=060302&typeID=1&downloadID=,&title=Select%20Product%20Series&dataType =8;&check=1&hl=en-US



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2.	2.1 Fixed bug: HMI is lagging when switching language		
	Deferre	When switching to different languages, HMI will not respond for a while before the change	
Before	takes effect.		
	After	Switching language becomes fast with no delay.	

2.2 Fixed bug: Changes on "CSV Format" option cannot be stored

Before	In [Options] \rightarrow [Alarm Setup], check [CSV Format] and hit OK. When user comes back	
	to 【Alarm Setup】,【CSV Format】is still unchecked.	
After	Once the option is set, changes on "CSV Format" will be applied.	

2.3 Fixed bug: HMI shows communication error after connecting to PLC for a while

Before	HMI shows communication error: "No TCP connection" after connecting to PLC for a while.
	Rebooting HMI is required to re-establish the connection.
After	Connection between HIM and PLC becomes stable

2.4 Fixed bug: HMI's screen is frozen after connecting to multiple PLCs over network for a while

Before	HMI's screen is frozen after connecting to multiple PLCs over network for a while.
After	HMI's screen will not delay after connecting to multiple PLCs over network for a while.

2.5 Fixed bug: Customized Modbus TCP Server port cannot be used

Before	[Modbus TCP Server Port] set in [Options] \rightarrow [Configuration] \rightarrow [Network App] cannot
	be used to connect to HMI
After	[Modbus TCP Server Port] set in [Options] \rightarrow [Configuration] \rightarrow [Network App] can
	be used to connect to HMI

2.6 Fixed bug: WPL V2.40 file format is not supported

	WPL V2.40 file format is not supported.
Before	• On HMI, by using [System Menu] \rightarrow [Up/Download] \rightarrow [Transfer Mode] HMI will not



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	be able to download WPL V2.40 file and show warning "Not support this version"
	Macro "PLCDOWNLOAD" cannot download WPL V2.40 file with return value 0
After	WPL V2.40 file format is supported.
	• On HMI, by using [System Menu] \rightarrow [Up/Download] \rightarrow [Transfer Mode] HMI will be
	able to download WPL V2.40 file without error message
	Macro "PLCDOWNLOAD" can download WPL V2.40 file with return value 1

2.7 Fixed bug: Screen data printed in horizontal direction by ePrinter is skew





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2.8 Fixed bug: HMI cannot get IP address while it is running already

Before	HMI can only obtain IP address during booting (screen shows "Initializing"). If HMI
	Ethernet cable is plugged after booting, HMI cannot refresh it's IP address until rebooting.
After	HMI can get IP address as soon as Ethernet cable is plugged-in.

2.9 Fixed bug: HMI cannot retain recipe data after power down and up when non-volatile storage is set to HMI

Before	Modification to recipe will not retain after power down and up when non-volatile storage is
	set to HMI.
After	When "Non-volatile storage" is set to HMI, actually, all recipe data will be stored. However,
	the time interval of writing data to storage is 4 second. If modification and switch-off
	happens at the moment in between two writing cycles, all data will be lost.

2.10 Fixed bug: Certain operations performing writing data to USB storage will cause HMI screen frozen,

e.g. exporting recipe to USB storage and copying files from HMI to USB in "System Menu"

	Certain operations performing writing data to USB storage will cause HMI screen frozen,
Before	e.g. exporting recipe to USB storage and copying files from HMI to USB in "System
	Menu".
After	HMI works normally with writing data operations to USB storage.



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2.11 Fixed bug: Executing "Alarm Moving Sign" in "Alarm Setup" or "Alarm Moving Sign" element will cause HMI screen frozen

Before	Enable "Alarm Moving Sign" in "Alarm Setup" or create an "Alarm Moving Sign" element
	on HMI screen. If there is any alarm triggered or cleared, HMI screen will become frozen.
After	Both alarm moving sign work well without any problem when alarms are trigged or
	cleared.

2.12 Fixed bug: After user switch language and examine "Alarm History Table", entering "System Menu" or downloading projects will cause HMI failed

	After user switch language and examine "Alarm History Table", entering "System Menu" or
	downloading projects will cause HMI failed.
Before	FUVer: 3.0076 SUVer: 03070R03 R00: E38070DB R07: E72FF007 R03: E8800002 R04: E780D000 R05: E38070D7 R05: E3802E40 R07: E3802E40 R07: E3802E40 R07: E3802E40 R07: E3802E40 R07: E3802E40 R07: E3802E40 R70: E3802002 R07: E780D000 R70: E3802E40 073: 306802BC 074: 3068640 075: 30685324 075: 30685324 075: 304b6828
After	After user switch language and examine "Alarm History Table", entering "System Menu" or
	downloading projects will not cause HMI failed.

2.13 Fixed bug: "Auto Update" cannot function on "B03S211" and "B03E211" when booting

Before	Booting speed of "B03S211" and "B03E211" are too fast for system to detect USB storage
	so that "Auto Update" cannot function.
Aftor	"B03S211" and "B03E211" can detect USB storage during booting and make "Auto
Atter	Update" work.



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2.	.14 Fixed bug: Position offset is observed when pressing on HMI screen						
	Before	When touch force in "System Menu" is set lower, there will be significant offset between					
		touched point and the point HMI recognized.					
	After	With any setting of touch force, HMI can recognize touched point on the screen precisely.					

2.15 Fixed bug: Executing macro "EXHISTORY" will cause HMI fail when "Non-volatile" storage of "History Buffer" is set to HMI and "Export CSV File" is checked



2.16 Fixed bug: When HMI macro accesses controller Allen Bradley Ethernet IP(Controllogix, Compactlogix) (Use Tags)'s address, HMI will have "Run out of Mem" error

Poforo	When HMI macro accesses controller Allen Bradley Ethernet IP(Controllogix,
Delote	Compactlogix) (Use Tags)'s address for a while, HMI will have "Run out of Mem" error.



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2.17 HMI fails when controller Siemens S7 200 SMART (ISO TCP)'s address Q0.0 is set ON





2.18 Fixed bug: When HMI runs as PLC in "Online Simulation Mode" with wrong connection setup, it shows "Run out of memory" error





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2.19 Fixed bug: FlashTransfer shows errors when it reads data whose size is more than 16 words in "Historical Buffer"

	FlashTransfer shows an error when it reads data whose size is more than 16 words in									
	"Historical Buffer".									
	FlashTransfer.exe									
	FlashTransfer.exe has encountered a problem and needs to close. We are sorry for the inconvenience.									
Before	If you were in the middle of something, the information you were working on might be lost.									
	Please tell Microsoft about this problem. We have created an error report that you can send to us. We will treat this report as confidential and anonymous.									
	To see what data this error report contains, <u>click here.</u> Send Error Report Don't Send									
After	FlashTransfer can read data with size of 16 words in "Historical Buffer".									







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3.1 FTP Server Function

FTP Server enables users to download alarms, historical information and recipe from USB Disk or SD storage device to PC. It also allows users to upload the file from PC to USB Disk or SD storage device.

Supported HMI

Network type

Supported connection methods

- Software for file transmission
- Windows explorer
- DOS command line

Connection limit

- Maximum 3 on-line clients at the same time.
- FTP Server will be automatically disconnected when you leave it unused for 90 seconds.

Logon methods

- Anonymous logon
 - Users cannot add directory.
 - Users cannot upload files.
 - Users cannot download files.
 - Users cannot delete files.
 - Users can change the filenames.
- Account logon
 - Users can add directory.
 - Users can upload / download files.
 - Users can delete files.
 - Users can change the filenames.

File transmission rules

- Transmission flow is unlimited.
- During the file transmission, if the connection is failed, the file is stopped being transmitted. However, once the connection is OK, the system will continue to transmit the file again.
- No file size limit for transmission.
- Length limit of the filename is 260 bytes.
- It is allowed to change the filename.
- Chinese file name is supported.



- File encryption is not supported.
- It supports positive and negative mode for connection
- During FTP transmission, users can go to or exit the operation from system directory.

Step 1: Go to [Option] \rightarrow [Configuration] \rightarrow [Network App] \rightarrow [FTP Server] and set the value for FTP Server connection.

Main	Enable				
Control Block	Port	21	(1~65535)		
	Account	ıdmin			
Print	Password	1234			
2	Root Dir	ISB Diek			
Default		USD DISK			
5%	📝 Anonymous				
Others	L			-	
1					
letwork App					

Step 2: Edit the information of alarms, history and recipe and set the non-volatile area to USB or SD storage device. Then, download the screen and insert the USB Disk to HMI. Trigger the [Save as Multi] button and select USB as the external device with the filename of ALL. And set \$100 address to 1 to export the 16-bit recipe.





Step 3: Use FTP Client software to upload/download the file or use Windows Explorer or DOS Command line for connection. In the following steps, FileZilla, the software for file transmission is applied as the example. This software is free to download at <u>https://filezilla-project.org/download.php</u>. Please run FileZilla software after installation.

FileZilla				- 0 - X
File Edit View	Transfer Server Bookmarks Help Nev	vversion avail	ablet	
1 - 1000	1 · · · · · · · · · · · · · · · · · · ·		0 6	
Host: 192.168.123	180 Username: admin Pas	sword: 00	Port 21 Quickcom	nect v
0				
			9	<u>^</u>
Local site: E:\test\		•	Remote ste:	
□ ■ 累重		Ê		
🕀 🏭 C.				
s SR	RECYCLE BIN	•		
Filename	Filesize Filetype Last modi	fed	Filename	Filesize Filetyp
Jan -				
			Not connected to	any server
			۰ (m	•
Empty directory.			Not connected.	
Server/Local file	Directi Remote file		Size Priority Status	
Queued files Fa	iled transfers Successful transfers			
				B Queue: empty
				Correction by

No.	Name	Descriptions						
•	Host	Enter HMI's IP address. In this example, we enter						
v		192.168.123.180.						
۵	Lloornomo	Enter the username, admin, which is identical with the one						
6	Usemanie	set in the software.						
	Password	Enter the same password, 1234 that is the same as the						
U		software setting.						
4	Enter the port, 21 (identical to the software setting.)							
•	Quickeenneet	Before enabling this button, please make sure the setting of						
9	QUICKCONNECL	column 1 ~ 4 is complete.						



Step 4: After the connection is built, the screen will be shown as below.

Host: 192.168.123.180 Username: admin	Password: •••	Port C	uickconnect ·	
tatus: Retrieving directory listing of */HMI*				1
tatus: Directory listing of "/HMI" successful	11 0000			
tatus: Directory listing of "/HVII/HI tatus: Directory listing of "/HVII/HI	cessful			6
Local site: E:\test\		Remote site: /HMI/HMI-000		
	A	B-1		
		E-M HMI		
0 4 C:				
D:				
SRECYCLE RIN	-			
Filename Filesize Filetype Li	ast modified	Filename	Filesize	Filety
a		🌽		
		Alarm		福度
		Alarm.2010010/131903		100
		History		
		History History 20160107131903		福富:
		History History20160107131903	199	福倉: Micro
		History History20160107131903	199 6,623	福倉: Micro DFT
		History History:20160107131903 ALLcsv DopFlash.dft T	199 6,623	檔案 Micro DFT
mpty directory.		History History20160107131903 ALLesy DopFlash.dft I m 2 files and 4 directories. Total siz	199 6,623 e: 6,822 bytes	檔案 Micr DFT
mpty directory. ierver/Local file Directi Remote file		History History20160107131903 ALLesv DopFlash.dft I m 2 files and 4 directories. Total siz Size Priority Status	199 6,623 e: 6,822 bytes	檔案 Micr DFT
		History History20160107131903	199 6,623	

Download the ALL.csv recipe file exported in Step 2 to the specified path in PC via FileZilla.

🔁 admin@192.168.123.180 - FileZilla					
File Edit View Transfer Server Bookmarks Help New version	on availa	ble!			
Host: 192.168.123.180 Username: admin Password:		•	Port:	Quickconnect -	
Status: Retrieving directory listing of "/HMI"					
Status: Directory listing of "/HMI" successful					
Status: Retrieving directory listing of "/HMI/HMI-000"					
Status: Directory listing of "/HMI/HMI-000" successful					
Local site: E:\test\	•	Remote sit	e: /HMI/HMI-	000	
te		B-1/			
ш-🍶 MP3		ē-]]	IMI		
🖅 🍶 PFiles		÷	HMI-000		
Share Scatter Values Tafamatian	III				
test					
ф. <mark>П</mark> П	-				
Filename Filesize Filetype Last modified		Filename		*	Filesize Filety
······································		1.			
		길 Alarm			檔案]
		\rm Alarm.2	016010713190	3	檔案]
		J History			福案]
		History.	201601071319	03	福案
		ALL CSV	Download		199 Micro
			Add files to a	11010	0,025 DFT1
		< *	View/Edit		
Empty directory.		Selecte	The ty Late		
Server/Local file Directi Remote file		Siz	Create direct	tory	
			Create direct	tory and enter it	
			Create new f	ile	
			Refresh		
		_	Delete		
Queued files Failed transfers Successful transfers			Rename		
			Copy URL(s)	to clipboard	empty 🔹 🖷



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The connection method of Windows Explorer:

Please open Windows Explorer and enter <u>ftp://192.168.123.180/</u>. Then, enter your account and password to log on FTP.



You can see all files that stored in USB.

00-1 2 17/10	P201000					• 4
Organize 🕶						
≠ 🔆 Favorites ■ Desktop	HM1 File folder	1.ECM	123.DAT	15RCP.csv	2.ECM	20150629_102748.ecm
Secent Places	20150629_133643.ecm	20150701_123300.ecm	J2RCP.csv	A4096.csv	ALARM.CSV.det	DVP-000.DVP
Gibraries Gibraries Music	DVP-001.dvp	DVP-002.DVP	DVP-003.dvp	DVP-004.DVP	DVP-005.dvp	EXENRCP.cov
 Pictures Videos 	ms_rename.log	Sound001.mp3	Sound002.mp3	Sound005.mp3	Sound007.mp3	Sound008.mp3
 ✓ (♥ Computer > ▲ Local Disk (C) > ♥ HMI (\/vbosov) (E) > ♥ hmi (\/Vbosov) (F) > ♥ hmi (\/Vbosov) 	Sound009.mp3	SoundD10.mp3	Sound011.mp3			

DOS Command line

Enter <u>ftp 192.168.123.180</u> in Command Prompt (cmd) and enter your user name, admin and password, 1234 to connect to FTP.





With ftp command, users can view all supported commands via the help function.

Administrator: C:\W	/indows\system32\cmd	l.exe - ftp 192.168.123.180)					
Microsoft Windov Copyright (c) 20	ws [Version 6.1. 009 Microsoft Co	7601] prporation. All	rights reserved.					
C:\Users\tina>ftp 192.168.123.180 Connected to 192.168.123.180. 220 Welcome to Delta FTP server User (192.168.123.180:(none>): admin 331 Password required for admin Password: 230 User logged in ftp> help Commands may be abbreviated. Commands are:								
? append ascii bell binary bye cd close ftp>	delete debug dir get get hash help lcd	literal ls mdelete mdir mget mkdir mls mput open	prompt put pwd quit quote recv remotehelp rename rmdir	send status trace type user verbose				
					· · ·			

Enter dir command. And the screen will show all files that currently stored in USB.

🖦 Administrator: C:\W	🛤 Administrator: C:\Windows\system32\cmd.exe - ftp 192.168.123.180								
lser (192.168.123.180:(none)): admin 31 Password required for admin Password:									
230 User logged ftn> heln	in								
Commands may be	abbreviated. Co	mmands are:							
? append ascii bell binary bye cd close	delete debug dir disconnect get glob hash hash help lcd	literal ls mdelete mdir mget mkdir mls mput open	prompt put pwd quit quote recv remotehelp rename rmdir	send status trace type user verbose					
ftp>dir 200 Port Command 150 Opening Bina drw 1 roo -rw 1 roo -rw 1 roo -rw 1 roo -rw 1 roo -rw 1 roo	l Successful. wy mode connecti it group 0 Jan 6 ot group 11544 Ju it group 0 June 2 ot group 79994 Oc it group 11544 Ju ot group 11544 Ju	ion for file list 10:34 HMI une 29 10:33 2015 29 13:36 20150629 2t 5 11:18 123.DA une 29 15:27 1.EC une 29 15:27 2.EC	:. 50629_102748.ecm 133643.ecm 1T M M	~					



Please use get command if you wish to download the file from USB or SD card.

Administrator: C\Windows\system32\cmd.exe - fto 192.168.123.180	x	😋 🔍 🗢 🚺 🕨 tina 🕨				
331 Password required for admin		Organize 🕶 🦳 Open	 Share with 	New folder		
230 User logged in	^	A 🛧 Favorites	Name	Date modified	Туре	Size
ftp) cd \hmi\hmi-000		E Desktop	.oracle ire usage	11/10/2015 18:01	File folder	
ftp) dir		Downloads	Contacts	11/11/2015 09:58	File folder	
200 Port Command Successful.	=	Recent Places	Desktop	12/18/2015 11:26	File folder	
-rw 1 root group 6623 Jan 13 17:35 DopFlash.dft			Downloads	11/11/2015 09:58	File folder	
drw 1 root group 0 Jan 13 17:35 History		4 🔚 Libraries	E Favorites	11/11/2015 09:58	File folder	
drw 1 root group 0 Jan 13 17:36 Hlarm		Documents	Links	11/11/2015 09:58	File folder	
drw 1 root group 0 Jan 6 10:34 Alarm.20160107131903		Music	My Documents	11/11/2015 09:58	File folder	
drw 1 root group 0 Jan 6 10:34 History.20160107131903 226 Typanofow Complete		Pictures	My Music	11/11/2015 09:58	File folder	
ftp: 321 but s peceived in 0.00Seconds 321000.00Kbytes/sec.		Videos	My Pictures	11/11/2015 09:58	File folder	
ftp>get ALL.csv			My Videos	11/11/2015 09:58	File folder	
200 fore command auccessful. 150 File Transfer "Ahmi-Mmi-000/ALL.csv" (199 hutes).		- 🛤 Computer	Saved Games	11/11/2015 09:58	File folder	
226 Finished.		Local Disk (C:)	Searches	11/11/2015 09:58	File folder	
ftp: 199 bytes received in 0.05Seconds 4.33Kbytes/sec.		HMI (\\vboxsrv) (E;)	ALL	1/13/2016 18:35	CSV File	1 KB
		hmi (\\Vhoxsvr) (E)				
	-	I drive (Vboxsvr)				

Administ

Please apply put command if you wish to upload the file from PC to USB or SD card.

Organize 🔻 🛛 📶 Open	▼ Share with ▼	Print New folder		
🔆 Favorites	Name	Date modified	Туре	Size
📃 Desktop	🍶 .oracle_jre_usage	11/10/2015 18:01	File folder	
🚴 Downloads	🔓 Contacts	11/11/2015 09:58	File folder	
🔚 Recent Places	hesktop	12/18/2015 11:26	File folder	
	퉳 Downloads	11/11/2015 09:58	File folder	
詞 Libraries	🙀 Favorites	11/11/2015 09:58	File folder	
Documents	📝 Links	11/11/2015 09:58	File folder	
J Music	My Documents	11/11/2015 09:58	File folder	
E Pictures	🔰 My Music	11/11/2015 09:58	File folder	
Videos	崖 My Pictures	11/11/2015 09:58	File folder	
	📕 My Videos	11/11/2015 09:58	File folder	
🖳 Computer	B Saved Games	11/11/2015 09:58	File folder	
🚢 Local Disk (C:)	📝 Searches	11/11/2015 09:58	File folder	
🖵 HMI (\\vboxsrv) (E:)	ALL	1/13/2016 18:35	CSV File	1 KB
🖵 hmi (\\Vboxsvr) (F:)	README	11/10/2015 18:00	Text Document	1 KB

Administrator: C:\Windows\system32\cmd.exe - ftp 192.168.123.180	×
230 lisev logged in	
ftp> put README.txt	<u> </u>
200 Fort Command Successful.	
150 Opening data connection for "/README.txt".	
226 Transfer OK	
ftp: 46 bytes sent in 0.05Seconds 0.98Kbytes/sec.	
ftp> dir	
200 Port Command Successful.	
150 Opening Binary mode connection for file list.	
drw 1 root group 0 Jan 6 10:34 HMI	
-rw 1 root group 11544 June 29 10:33 20150629 102748.ecm	
-rw 1 root group 0 June 29 13:36 20150629_133643.ecm	
-rw 1 root group 79994 Oct 5 11:18 123.DAT	
-rw 1 root group 11544 June 29 15:27 1.ECM	
-ru 1 Foot group 11544 June 29 15:27 2.ECM	=
-FW 1 Foot group 11544 July 1 12:33 20150701_123300.ecm	
-rw 1 Foot group 9246 Jan 6 15:21 ms_rename.log	
-rw	
-rw	
-Warner 1 woot group 46 Jap 12 19:41 PEODME tot	
-with root group to ball 15 16 11 Mendie. CAU	
1 moot group 6328 hct 23 14:36 DUP-001 dup	
-ru	
-ru	
-ru	
-rw 1 root group 9387362 July 30 9:44 Sound010.mp3	
-rw 1 root group 608366 Oct 7 10:1 A4096.csv	
-rw 1 root group 10359117 July 30 9:44 Sound011.mp3	
-rw 1 root group 60328 Oct 23 14:43 DUP-005.dvp	
-rw 1 root group 97744 Oct 23 14:40 DUP-000.DUP	
-ru 1 root group 97744 Oct 23 14:45 DUP-002.DUP	
-rw 1 root group 97744 Oct 23 14:47 DVP-004.DVP	
226 Transfer Complete.	
ftn: 1571 hutes received in 0.27Seconds 5.93Khutes/sec.	-



3.2 Advanced alarm function

Followings are the descriptions of advanced alarm function.

DOP-B / DOP-H / HMC Series

The alarm number is increased to 4096.

- Users can switch to alarm number 2049 ~ 4096 by clicking on the [Next] button.
- Users can switch to alarm number 1 ~ 2048 by clicking on the [Previous] button.

	Alarn Se	tting			Alarm Moving Sign			
	Aldres	5	None		Enable	No	•	Delete
	Scan Tr	ime (second)	3	•	Position	Top	•	Modify
	Max P.	ecords	10		Direction	Left	•	Import
			The second secon		Moving Points	1	•	
	100	-	(HM4		(atoms/inc)	100		Export
	CS1	Format	Exit Screen Saver when	darm is triggered	interval(ms)	100	•	
					Background Color		•	ОК
Copy	No.	LED N	fessage Content	Groups	Text Color	Property	Goto Screen	il Informat
	4082			0	RGB(0, 0, 0)	01	None	
Paste	4083			0	RGB(0. 0. 0)	O	None	
Groups	4084			0	RGB(0, 0, 0)	01	None	
crosps	4085			0	RGB(0, 0, 0)	Oı	None	
	4036			0	RGB(0. 0. 0)	01	None	
	4037			0	RGB(0. 0. 0)	Oı	None	
	4038			0	RGB(0, 0, 0)	01	None	
	4039			0	RGB(0. 0. 0)	OI	None	
	4090			0	RGB(0. 0. 0)	01	None	
	4091			0	RGB(0. 0, 0)	01	None	
	4092			0	RGB(0. 0. 0)	01	None	
	4093			0	RGB(0. 0. 0)	01	None	
	4094			0	RGB(0. 0. 0)	01	None	
Pressions	4095	62		0	RGB(0. 0. 0)	01	None	
	4096			0	RGB(0. 0, 0)	01	None	
Next								
	1.1	Arial		-		B		



- Alarm Group Setting
- For easy search and browse, users can specify the displaying alarm information that is classified in one group.
- The [Groups] button enables users to set the group number.
- Range for setting the group number is from 0 to 4095.



• Alarm History Table, Active Alarm List, Alarm Frequency Table and Alarm Moving Sign all allow users to specify group number variable in order to display the group number. When the variable is 0, the screen will display all alarms; when the variable is 1, the screen will only display the alarm number in group 1.



Here we take DOP-B10E615 as the example for further descriptions.

Step 1: Create the alarm screen and view all alarms. Users can set the group number in batch from alarm number 1 to 4096 by pressing the [Groups] button.

	Alarm Set	ting			Alarm Moving Sign			
	Address		\$6666		Enable	Yes	•	Delete
	7100111				2000	(Level)		Madif
	Scan Ti	me (second)	0.5	•	Position	Top		
	Max Re	cords	9999		Direction	Right	٠	Import
			for a second		Moving Ponts	3	•	
	P Held	1	USB Disk	-		-		Export
	CSV	Format	Exit Screen Saver when al	erm is triggered	Interval(ms)	1000	•	
					Backgrount Color		-	OF
Copy	Chinese	ENG						
	1		Message Content	Groupe	Text Color	Property	Colo Serano	il Informat
Paste	No.	E LCL	mobolige coment	Groups	16/1 00/01	Fibbeity	Solo Screen	ar mironnai
Paste	No.		Alarm 1	1	RGB(0 0, 255)	Off	None	in morma
Paste Groups	No. 1 2		Alarm 1 Alarm 2	1	RGB(0 0, 255)	Off On	None None	a moma
Paste Groups	No. 1 2 3		Alarm 1 Alarm 2 Alarm 3	1 1 1	RGB(0. 0, 0) RGB(0. 0, 0)	Off On On	None None None	in morma
Paste Groups	No. 1 2 3 4		Alarm 1 Alarm 2 Alarm 3 Alarm 4	1 1 1 1	RGB(0 0, 255) RGB(0 0, 0) RGB(0 0, 0) RGB(0 0, 0)	Off On On On	None None None None	a morna
Paste Groups	No. 1 2 3 4 5		Alarm 1 Alarm 2 Alarm 3 Alarm 4 Alarm 5	1 1 1 1 2	RGB(0 0, 255) RGB(0 0, 0) RGB(0 0, 0) RGB(0 0, 0) RGB(0 0, 0) RGB(0 0, 0)	On On On On	None None None None None	
Paste Groups	No. 1 2 3 4 5 6		Alarm 1 Alarm 2 Alarm 3 Alarm 4 Alarm 5 Alarm 6	1 1 1 1 2 2	RGB(0 0, 255) RGB(0 0, 255) RGB(0 0, 0) RGB(0 0, 0) RGB(0 0, 0) RGB(0 0, 0)	Off On On On On On	None None None None None None None	
Paste Groups	No. 1 2 3 4 5 6 7		Alarm 1 Alarm 2 Alarm 3 Alarm 4 Alarm 5 Alarm 6 Alarm 7	1 1 1 1 2 2 2	RGB(0 0. 255) RGB(0 0. 0) RGB(0 0. 0) RGB(0 0. 0) RGB(0 0. 0) RGB(0 0. 0) RGB(0 0. 0)	Off On On On On On On	None None None None None None None	
Paste Groups	No. 1 2 3 4 5 6 7 8		Alarm 1 Alarm 2 Alarm 3 Alarm 4 Alarm 5 Alarm 6 Alarm 7 Alarm 8	1 1 1 1 2 2 2 2	RGB(0 0. 255) RGB(0 0.0) RGB(0 0.0)	Off On On On On On On On On	None None None None None None None None	
Paste Groups	No. 1 2 3 4 5 6 7 8 9		Alarm 1 Alarm 2 Alarm 3 Alarm 4 Alarm 5 Alarm 5 Alarm 6 Alarm 7 Alarm 7 Alarm 8 Alarm 9	1 1 1 1 2 2 2 2 2 2 2	RCB(0 0. 255) RGB(0 0. 0)	Off On On On On On On On On On	None None None None None None None None	
Paste Groups	No. 1 2 3 4 5 6 7 8 9 10		Alarm 1 Alarm 2 Alarm 3 Alarm 3 Alarm 4 Alarm 5 Alarm 6 Alarm 6 Alarm 7 Alarm 8 Alarm 9 Alarm 9 Alarm 9 Alarm 10	1 1 1 1 2 2 2 2 2 2 2 2 2	RGB(0 0.255) RGB(0 0.255) RGB(0 0.0)	Off On On On On On On On On On On On On	None None None None None None None None	
Paste	No. 1 2 3 4 5 6 7 8 9 10 11		Alarm 1 Alarm 2 Alarm 2 Alarm 3 Alarm 3 Alarm 5 Alarm 6 Alarm 6 Alarm 6 Alarm 7 Alarm 8 Alarm 9 Alarm 10 Alarm 11	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RGB(0 0. 255 RGB(0 0. 0)	Off On On On On On On On On On On On On On	None None None None None None None None	
Pasta Groups	No. 1 2 3 4 5 6 7 8 9 10 11 12		Alarm 1 Alarm 2 Alarm 3 Alarm 4 Alarm 5 Alarm 6 Alarm 7 Alarm 7 Alarm 7 Alarm 9 Alarm 10 Alarm 11 Alarm 12	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RGB(0 0. 255 RGB(0 0. 0) RGB(0 0. 0)	Off On On On On On On On On On On On	None None None None None None None None	
Pasta Groups Previous	No. 1 2 3 4 5 6 7 8 9 10 11 12 13		Alarm 1 Alarm 2 Alarm 3 Alarm 3 Alarm 4 Alarm 5 Alarm 6 Alarm 6 Alarm 7 Alarm 8 Alarm 9 Alarm 9 Alarm 10 Alarm 11 Alarm 12 Alarm 13	1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RGB(0 0, 255) RGB(0 0, 0)	Off On On On On On On On On On On On On On	None None None None None None None None	
Pasts Groups Previous Nert	No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14		Alarm 1 Alarm 2 Alarm 2 Alarm 3 Alarm 4 Alarm 5 Alarm 6 Alarm 6 Alarm 7 Alarm 8 Alarm 9 Alarm 9 Alarm 10 Alarm 11 Alarm 12 Alarm 13 Alarm 14	1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RGB(0 0, 255) RGB(0 0, 255) RGB(0 0, 0)	Off On On On On On On On On On On On On On	None None None None None None None None	

Step 2: Create the Alarm History Table. Check [Display alarm group number] and [Groups numbered variables]. Then set the group ID to D500. Create one numeric entry element and set its address to D500.

Preview	Main Coordinates	
	Style	Detail
	Background Color:	▼ Status Display ✓ Time hh:mn:ss ✓ Date Format mm:ddyy ▼ Color
State:	draw hori. line: Yes	• Other
0 Language:	Grid Line Color:	Alarm Number Display for unlock alarn item
Chinese		Groups Select
		Displays alarm group number Groups numbered variables Group ID (Link2)1@D500 0:Show All



Step 3: After downloading the screen to the HMI, trigger the button of ALL ON. If D500 is set to 0, it will display the alarm number from 1 to 4096.

0	G4094	4085	17:51:40	01/06/2016	Alarm 4085	A	
0	G4094	4086	17:51:40	01/06/2016	Alarm 4086		0
0	G4094	4087	17:51:40	01/06/2016	Alarm 4087	12	
0	G4094	4088	17:51:40	01/06/2016	Alarm 4088		
0	G4094	4089	17:51:40	01/06/2016	Alarm 4089		
0	G4094	4090	17:51:40	01/06/2016	Alarm 4090		
0	G4094	4091	17:51:40	01/06/2016	Alarm 4091		
0	G4094	4092	17:51:40	01/06/2016	Alarm 4092		
0	G4094	4093	17:51:40	01/06/2016	Alarm 4093		
0	G4094	4094	17:51:40	01/06/2016	Alarm 4094		
0	G4094	4095	17:51:40	01/06/2016	Alarm 4095	П	
0	G4094	4096	17:51:40	01/06/2016	Alarm 4096		
1							
4						2	

If D500 is set to 1, it only displays the alarm number in group G1.

0	G1	0001	17:51:40	01/06/2016	Alarm 1		
Ο	G1	0002	17:51:40	01/06/2016	Alarm 2		
Ο	G1	0003	17:51:40	01/06/2016	Alarm 3	1	
Ο	G1	0004	17:51:40	01/06/2016	Alarm 4		
	G1代表群	組1					

If D500 is set to 4095, it only displays the alarm number in group G4095.

000	G4095 G4095	2048 2049	17:51:37 17:51:37	01/06/2016 01/06/2016	Alarm 2048 Alarm 2049	Δ	4095
	G4095 G4095	1501	17:51:40	01/06/2016	Alarm 1502	-	
ŏ	G4095	1502	17:51:40	01/06/2016	Alarm 1503	-	
Ο	G4095	1504	17:51:40	01/06/2016	Alarm 1504	-	
Ο	G4095	1505	17:51:40	01/06/2016	Alarm 1505	_	
Ο	G4095	1506	17:51:40	01/06/2016	Alarm 1506		
Ο	G4095	1507	17:51:40	01/06/2016	Alarm 1507		
Ο	G4095	1508	17:51:40	01/06/2016	Alarm 1508		
Ο	G4095	1509	17:51:40	01/06/2016	Alarm 1509		
0	G4095	1510	17:51:40	01/06/2016	Alarm 1510	A	
⊲					⊳		

Other elements such as Active Alarm List, Alarm Frequency Table and Alarm Moving Sign apply the same method to display the group number.



Newsletter

DOP-W Series

The advanced alarm function in DOP-W series HMI allows users to display the alarm by the setting of Active address, Sort address and Filter address.

Followings are the detailed descriptions of global alarm setting and functions provided by Alarm History Table.

Global alarm setting can be divided into two categories, which are continuous alarm address (A) and non-continuous alarm address (B).

• A: Check [Continuous alarm address]

South .	Setting			Alarm Moving Sign		
Addr	ess	None		Enable	No	•
Scan	Time (second)	3	•	Position	Top	• M
Mar	Durada	10		Direction	Left	• In
NUX	r.ecords	10		Marrian Brints		
Шн	bld	HMI	-	Moving Points	4	- D
Ec	V Format	Z Exit Screen Saver when a	lam is triggered	Interval(ms)	100	•
Alarm	acress display	Automatic -		Background Color		 •
2	i screen uispiay					
	ntinuous alarm a	adress	0		3	
Num	ber 🖸 LED	Message Content	Category	Triggering cond	Monitoring addr	Text color
1			0	On	None	RGB(0, 0, 0)
2			0	On	None	RGB(0. 0. 0)
3			0	On	None	RGB(0, 0, 0)
				0.0		
4			0	On	None	RGB(0, 0, 0)
4			0	On	None	RGB(0, 0, 0)
4 5 6			0	On On	None None None	RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7			0	On On On	None None None	RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8			0 0 0 0 0	On On On On	None None None None None	RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8 9				On On On On On	None None None None None None	RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8 9			0 0 0 0 0	On On On On On On	None None None None None None	RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8 9 10			0 0 0 0 0 0	On On On On On On On	None None None None None None None	RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8 9 10 11				0n 0n 0n 0n 0n 0n 0n 0n 0n 0n	None None None None None None None None	RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8 9 10 11 11 12 13				On On On On On On On On On On	None None None None None None None None	RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8 9 10 11 12 13 14				On On On On On On On On On On On	None None None None None None None None	RGB(0, 0, 0) RGB(0, 0, 0)
4 5 6 7 8 9 10 11 12 13 14				On On On On On On On On On On	None None None None None None None None	RGB(0, 0, 0) RGB(0, 0, 0)

Number	Name	Descriptions
0	Continuous Alarm Address	The default setting of this function is enabled. Its address setting should be identical to the alarm address that is set before.
0	Category	This represents the category of alarm number, which is similar to grouping. The supporting range is between 1 and 255.
Ð	Monitoring Address	It can be used to display the alarm message set by users. Add "%d1" after the alarm content you entered and when the value of monitoring address is 10, the alarm information shown in Alarm History Table will be Alarm10.



產

Newsletter

主	品通韓	反	Newslette
	Number	Name	Descriptions
	0	Alarm Screen Display	It has two types, automatic and manual. When it sets to Automatic: If the alarm is triggered, the alarm screen will immediately pop up. When it sets to Manual: The display of alarm screen is controlled by setting the Action address to 2.

B: Not to check [Continuous alarm address] •



Number	Name		Descriptions Incheck this selection and the Read address will be disabled. according to the alarm type (Bit or Word), each alarm address can be iggered individually. represents the alarm category, which is similar to alarm group. the supported group range is between 1 and 255. he type can be Bit or Word. it: Define the Bit address for triggering alarms vord: Define the Word address for triggering alarms he triggering method is determined by its type, Bit or Word. vhen the type is Bit, please enter the Bit address to trigger the alarm. vhen the type is Word, the alarm can be triggered according to the onditional statement. Conditional Descriptions							
0	Continuous	Uncheck According	this selection a to the alarm	and the Read address will be disabled. type (Bit or Word), each alarm addres	s can be					
Alarm Address Alarm Address Category It represents the alarm category, which is similar to alarm group The supported group range is between 1 and 255. The type can be Bit or Word.										
0	Category	It represe The supp	represents the alarm category, which is similar to alarm group. The supported group range is between 1 and 255. The type can be Bit or Word. The type can be Bit address for triggering alarms (ord: Define the Word address for triggering alarms The triggering method is determined by its type, Bit or Word.							
6	Туре	The type Bit: Defin Word: De	e type can be Bit or Word. : Define the Bit address for triggering alarms ord: Define the Word address for triggering alarms e triggering method is determined by its type, Bit or Word. nen the type is Bit, please enter the Bit address to trigger the alarm.							
		The trigge When the When the condition	ering method i e type is Bit, pl e type is Word al statement. Conditional	s determined by its type, Bit or Word. ease enter the Bit address to trigger the d, the alarm can be triggered accordi Descriptions	e alarm. ng to the					
9	Address		=	equal to						
			>	greater than						
			<	less than						
			>=	greater than or equal to						
			<=	less than or equal to						



Number	Name			Descriptions			
			>,<	out of the range			
			<=,<=	within the range			
9	Monitoring Address	It is used Add "%d monitorin Table will	It is used to display alarm messages set by users. Add "%d1" after the alarm content you entered and when the value of monitoring address is 10, the alarm information shown in Alarm History Table will be Alarm10.				
G	Alarm Screen Display	When it screen wi When it s setting th	sets to Auton ill immediately sets to Manua e Action addre	natic: When the alarm is triggered, pop up. I: The display of alarm screen is con ess to 2.	the alarm		



We have two pages in Alarm History Table, Details and Details-2.

Details

The control address provided in Details page allows users to arrange and select the alarm according to the set items.

review			
Tenen	Main Details Detail	Is-2 Coordinates	
naja 44	Action addr.	None	1
	Sort addr.	None	
	Filter addr.	None	3
ate:	Alarm counter addr.	None	4
	 Alarm group begin add 	dr. None	5
inguage:	Alarm group end addr.	None	6

No.	Name		Descriptions
		Action add	dress allows the specified alarm can be displayed and ged.
		Value	Descriptions
•	Action address	0	Default status. No action will be done.
v	Action address	1	Acknowledge the selected alarm in Alarm History Table.
		2	If the selected alarm has alarm screen and the screen display is set to Manual, when the value is 2, it will display the alarm screen.
	Sort address	The sort add	Idress will arrange and display the item specified by users.
		Value	Descriptions
		0	Default status. No action will be done.
		1	Arrange the item according to the Trigger Time
0		2	Arrange the item according to the Acknowledge Time
		3	Arrange the item according to the Recovery Time
		4	Arrange the item according to the alarm counts
		5	Arrange the item according to the alarm type
		6	Arrange the item according to the alarm number



No.	Name	Descriptions				
		Filter address	allows users to sift the specified items.			
		Value	Descriptions			
		0	Default status. It displays all triggered alarms.			
		1	Hide the alarm with the function of [Recovery Time] and [Confirmation Time].			
		2	Hide the alarm with the function of [Recovery Time].			
		3	Hide the alarm with the function of [Recovery Time] or [Confirmation Time].			
e	Filter address		Hide the alarm with the function of [Confirmation Time].			
		5	It has to work with [Alarm Counter Address]. The displayed Alarm count is generated in accordance with the value of [Alarm Counter Address]. If the displayed alarm count is smaller than this value, then it will not show this alarm.			
		6	It has to work with [Alarm group begin address] and [Alarm group end address]. When the alarm number is not within the range set by these two addresses, then the alarm will not be displayed.			
		It has to work v Only when the Alarm count.	with [Filter address]. value of [Filter address] is 5, can the user enter the number of			
	Alarm Counter	Example	Behavior			
0	address	The Alarm count is 1, 2 or 3.	Enter 1 and the Alarm History Table will display the alarm which alarm count is more than 1; Enter 2 and the Alarm History Table will display the alarm which alarm count is more than 2; Enter 3, the Alarm History Table will display the alarm which alarm count is more than 3.			
	Alarm group begin	It has to work	with [Filter address]			
9	address	Only when the	e value of [Filter address] is 5, can the user enter the alarm			
		Example	Behavior			
G	Alarm group end address	The number of alarm type is 1 and 5	Set [Alarm group begin address] to 1 and [Alarm group end address] to 3, the Alarm History Table will only display the alarms that belong to type 1. Set [Alarm group begin address] to 1 and [Alarm group end address] to 5, the Alarm History Table will display the alarms that belong to type 1 and 5.			



• Details-2

The page allows users to check the display information of Alarm History Table, arrange the column sequence and adjust the column width and font size.

Insumber Insum	Preview	Main Details Detai	ls-2	Coordinates		
Alarm Message		1 Number	30	Unit: Pixel	Column display order : 🕜	_
Image: Image: <td></td> <td>O Trigger Time</td> <td>120</td> <td>-</td> <td>Alarm Message</td> <td></td>		O Trigger Time	120	-	Alarm Message	
ate: Confirmation Time Confirmation Time Confirmation Time 120 120 120 120 120 120 120 120		- 🕑 🗹 Alarm Message	250			Ľ
Recovery Time 120 1 napuage: Alarm Counts D The total width of column :250 Pixels Number / Time / Count font 12 3	itate:	Confirmation Time	120			
anguage: C Alarm Counts 50	0	B Recovery Time	120			
The total width of column :250 Pixels Number / Time / Count font 12 3	.anguage:	Alarm Counts	50	-		
Number / Time / Count font 12 -	Language1	The total width of colu	mn :25	0 Pixels		
		Number / Time / Count	t font	12	• 3	

No.	Name	Descriptions
0	Number	Check this item and the Alarm History Table will display the alarm number.
0	Trigger Time	Check this item and the Alarm History Table will show the alarm triggering time. Note: Please select the time format and date format in [Main] page to display the trigger time.
€	Alarm Message	Check this item to display the alarm message in Alarm History Table.
9	Confirmation Time	Check this item and the Alarm History Table will show the Acknowledged alarm information. Note: Please select the time format and date format in [Main] page to display the confirmation time.
6	Recovery Time	Check this item and the Alarm History Table will show the Recovery alarm information. Note: Please select the time format and date format in [Main] page to display the recovery time.
0	Alarm Counts	Check this item and the Alarm History Table will display alarm triggering times.



Newsletter

No.	Name	Descriptions					
Ø	Column display order	Users can use the Up and Down button to arrange the displaying order.					
8	Number / Time / Count font	Users can determine the displayed number, time and font size for alarm count.					
Ø	Column Width	Check the column that you desire to display and adjust the width. Its unit is Pixel.					

The function of Continuous alarm address is identical to the previous alarm setting. Thus, we take non-continuous alarm address as the example.

Step 1: Go to [Options] > [Alarm Setup] and see the parameters setting as below.

- Uncheck [Continuous alarm address].
- Select [Automatic] as Alarm screen display.

Alarm Setting		Alarm Moving Sign		DI
Address	\$6666	Enable	No 💌	Delet
Scan Time (second)	0.5	Position	Top •	Modi
Max Records	9999	Direction	Left 👻	Impo
V Hold	[HMI]	Moving Points	1	Expo
CSV Format	Exit Screen Saver when alarm is triggered	Interval(ms)	100 👻	
Alarm screen display	Automatic 🔻	Background Color	· ·	OK

• Set up 10 alarms. Refer to the setting below:

Language1	Language2					<u> </u>	
Numbe	🛛 LED	Message Content	Category	Туре	Address	Triggering conditions	Monitoring address
1		alarm 1 %d1 度	1	Bit	\$50.0	On	\$500
2		alarm 2 %d1 斤	1	Bit	\$50.1	On	\$501
3		alarm 3 %d1 克	1	Bit	\$50.2	On	\$502
4		alarm 4 %d1 尺	1	Bit	\$50.3	On	\$503
5		alarm 5 %d1 吋	1	Bit	\$50.4	On	\$504
6		alarm 6	5	Word	\$100	\$100 = \$200	None
7		alarm 7	5	Word	\$110	\$110 < \$210	None
8		alarm 8	5	Word	{Link2}1@D100	{Link2}1@D200 <= {Link2}1@D100 <= {Link2}1@D300	None
9		alarm 9	5	Word	\$120	0 <= \$120 <= 10	None
10		alarm 10	5	Word	{Link2}1@M16	{Link2}1@M16 >= 100	None



Step 2: Create an Alarm History Table

• See the general setting of Main page below:

Preview	Main	Details	Details-2	Coordina	ates		
	Style				Detail		
New York New Arts Arts Arts	Backg	round Color:] -	Status Display	hh:mm:ss	•
	draw	vert. line:	Yes	•	Date Format	mm/dd/yy	• •
State:	draw 1	nori. line:	Yes	•			
0	Grid L	ine Color:		•			

• See the setting of Details page below:

Alarm History Table	- 2	
Preview	Main Details Details-2	Coordinates
N MARY MARY MARY MARY MARY MARY MARY MARY	Action addr.	<mark>\$1</mark>
	Sort addr.	\$2
	Filter addr.	\$3
State:	Alarm counter addr.	\$4
	Alarm group begin addr.	\$5
Language:	Alarm group end addr.	\$6
Language1 -		



• See the setting of Details-2:

Alarm History Table	- 2			X
Preview	Main Details Detail	s-2 Coordinates]	
V Name Namer Name - Mar V Name Andreas	🗹 Number	70	Column display order :	
	🗹 Trigger Time	200	Alarm Message Alarm Counts	
	🗹 Alarm Message	130	Trigger Time Confirmation Time	
State:	Confirmation Time	200	Recovery mile	
0 ~	Recovery Time	200		
Language:	🗹 Alarm Counts	100		
Languagel	The total width of colur	nn :900 Pixels		
	Number / Time / Count	font 12	•	_

Step 3: Create the numeric entry element and maintained button of alarm setting and Alarm History Table.

Bit Control	Word Control	Global Alaram Trigger setting
W:\$50.0 W:\$50.1 W:\$50.2 W:\$50.3 W:\$50.4 alarm 1 alarm 2 alarm 3 alarm 4 alarm 5	$\frac{W:$100}{###} = \frac{W:$200}{###}$ Condiction 1	
	$\frac{\text{W:$110}}{\#\#} = \frac{\text{W:$210}}{\#\#} = \frac{\text{W:$210}}{\#\#} \text{Condiction 2}$	
	$\underbrace{\mathbb{W}: \{\operatorname{Link2}\} 1 \underset{\# \# \# \#}{\mathbb{W}: \# \# \# \# \#}}_{\mathbb{W}: \{\operatorname{Link2}\} 1 \# \# \# \# \# \# \# \# \# \# \# \# \# \# \# \# \# \# \#$	Condiction 3
	$0 <= \frac{W \cdot 5120}{4} = 10$ Condiction 4	
	$\frac{W:[Link2]1@M16}{####} > \pm 100 $ Condiction 5	
Monitor Addr ^{W:\$500} ###	W:\$502 # # #W:\$503 # # #W:\$504 # # #	
Detail of Alarm History Table Setting Action W:\$1 ##### Sorting W:\$2 ####################################	er W:53 dr ###### Count ##### Group W:55 Start #####	Alarm Group W:56 End ####



Step 4: Create one alarm screen as the sub-screen. Then, go to [Options] > [Alarm Setup] to set the screen of alarm number 1 and number 6 as screen 2.



Language1	Language2							
Numbe	e 🔽 LED	Message Content	Category	Туре	Address	Triggering conditions	Monitoring address	Alarm screen
1		alarm 1 %d1 度	1	Bit	\$50.0	On	\$500	2 - Screen_2
2		alarm 2 %d1 斤	1	Bit	\$50.1	On	\$501	None
3		alarm 3 %d1 克	1	Bit	\$50.2	On	\$502	None
4		alarm 4 %d1 尺	1	Bit	\$50.3	On	\$503	None
5		alarm 5 %d1 吋	1	Bit	\$50.4	On	\$504	None
6		alarm 6	5	Word	\$100	\$100 = \$200	None	2 - Screen_2
7		alarm 7	5	Word	\$110	\$110 < \$210	None	None
8		alarm 8	5	Word	{Link2}1@D100	{Link2}1@D200 <= {Link2}1@D100 <= {Link2}1@D300	None	None
9		alarm 9	5	Word	\$120	0 <= \$120 <= 10	None	None
10		alarm 10	5	Word	{Link2}1@M16	{Link2}1@M16 >= 100	None	None

Step 5: Please go to [Initial Macro] to write the command, which is shown as below. When the HMI screen is opened, alarm $6 \sim 10$ is on.





Step 6: Please compile and download all screens to the HMI.

Step 7: After enabling the HMI screen, see the functions below:

- Alarm screen display
 - In this example, [Alarm screen display] is set to [Automatic]. When the condition of alarm 6 is established, the alarm is On and the alarm screen shows automatically.
 - If [Alarm screen display] is set to [Manual], you need to set [Action Address] to 2 to display the alarm screen.

	Trigger Time	Acknowledge Time	Recovery Time	
	57 01/14/2016 57 01/14/2016 57 01/14/2016 57 01/14/2016 57 01/14/2016 57 01/14/2016		<u>Δ</u>	
Warning				Alarm Setting
4			▼ ⊲	
Bit Control	Word Control			
alarm 1 alarm 2 alarm 3 alarm 4 alarm 5	5 =	5 Condiction 1		
	888	:= 999 < <=	1111 Condiction	3
	0 <= 8	<= 10 Condiction 4		
	101 >:	= 100 Condiction 5		
Monitor Addr 30 10	250	800 3		
Action O Sorting O Addr	Filter 0 Cc	arm Alarm Group Group Uunt O Start Addr	Alarm Group End Addr	

• Please close the alarm screen.



- Trigger alarm 1 ~ 5 by Bit Control
 - Bit address triggers alarm 1 to 5. The Alarm History Table displays the alarm message set by users.



 If you change the value of [Monitoring address], please trigger alarm 1 to 5 again. The displayed alarm message will be changed in accordance with the value.





Trigger Time

• When the condition of triggering the alarm by Bit address or Word address is established, the Alarm History Table will display the time and date that alarm has been triggered.

No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
0006	alarm 6	1	13:19:03 01/14/2016		Δ
0007	alarm 7	1	13:19:03 01/14/2016		
8000	alarm 8	1	13:19:03 01/14/2016		
0009	alarm 9	1	13:19:03 01/14/2016		
0010	alarm 10	1	13:19:03 01/14/2016		
0001	alarm 1 30 度	1	13:22:24 01/14/2016		13:22:31 01/14/2010
0002	alarm 2 10 斤	1	13:22:26 01/14/2016		13:22:32 01/14/2010
0003	alarm 3 250 克	1	13:22:27 01/14/2016		13:22:32 01/14/2010
0004	alarm 4 800 尺	1	13:22:27 01/14/2016		13:22:32 01/14/2010
0005	alarm 5 3 时	1	13:22:27 01/14/2016		13:22:33 01/14/2010
0001	alarm 1 40 度	2	13:22:47 01/14/2016		
0002	alarm 2 20 斤	2	13:22:49 01/14/2016		
0003	alarm 3 300 克	2	13:22:49 01/14/2016		
0004	alarm 4 700 尺	2	13:22:50 01/14/2016		
0005	alarm 5 5 时	2	13:22:50 01/14/2016		
alarm 6					V

Acknowledge Time

• To display the Acknowledge Time, please set Action address to 1.

No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
0006	alarm 6	1	13:19:03 01/14/2016		Δ
0007	alarm 7	1	13:19:03 01/14/2016		
8000	alarm 8	1	13:19:03 01/14/2016		
0009	alarm 9	1	13:19:03 01/14/2016		
0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
0001	alarm 1 30 度	1	13:22:24 01/14/2016		13:22:31 01/14/2010
0002	alarm 2 10 斤	1	13:22:26 01/14/2016		13:22:32 01/14/2016
0003	alarm 3 250 克	1	13:22:27 01/14/2016		13:22:32 01/14/2010
0004	alarm 4 800 尺	1	13:22:27 01/14/2016		13:22:32 01/14/2016
0005	alarm 5 3 时	1	13:22:27 01/14/2016		13:22:33 01/14/2010
0001	alarm 1 40 度	2	13:22:47 01/14/2016		
0002	alarm 2 20 ரு	2	13:22:49 01/14/2016		
0003	alarm 3 300 克	2	13:22:49 01/14/2016		
0004	alarm 4 700 尺	2	13:22:50 01/14/2016		
0005	alarm 5 5 时	2	13:22:50 01/14/2016		
alarm 10)				
alarm 1	alarm 2 alarm 3 a	alarm 4 alarm 5		5 Condiction 1 100 Condiction 2	
After Ad actions 1) The J immedi 2) Ackn numbe	ction address set : Action address wi ately. iowledge Time of r will display imme	to 1 will get tw Il clear to 0 Seleted alarm ediately.	0 888 <=	 999 <= 10 Condiction 4 100 Condiction 5 	1111 Condiction 3
Monito	Addr. 40	20	300	700 5 Alarm	Alarm



- Recovery Time
 - If the condition of triggering the alarm by Bit address or Word address is not established (such as Condition1 and Condition 2, see the figure below), then the Alarm History Table will display the Recovery Time.



- Action Address
 - When Action Address is set to 0, the Alarm History Table has no action.
 - When Action Address is set to 1, it will display the Acknowledge Time. (We've already introduced <u>Acknowledge Time</u> before)
 - When Action Address is set to 2 and [Alarm screen display] is set to [Manual], the system will display the alarm screen. (We've already introduced <u>Alarm Screen</u> before)



- Sort Address
 - When the value of Sort Address is 0, the Alarm History Table will not do any sorting.
 - When the value of Sort Address is 1, the alarm will be displayed according to the [Trigger Time].



• When the value of Sort Address is 2, the alarm will be displayed according to the [Acknowledge Time].

	wessage	Frequency	Trigger Time	Acknowledge Time	Recovery Time
0010	alarm 10	1	13:19:0301/14/2016	13:25:25 01/14/2016	
0006	alarm 6	1	13:19:0301/14/2016	13:33:01 01/14/2016	13:36:42 01/14/2010
0007	alarm 7	1	13:19:0301/14/2016	13:33:04 01/14/2016	13:36:52 01/14/2010
8000	alarm 8	1	13:19:0301/14/2016	13:33:09 01/14/2016	
0009	alarm 9	1	13:19:0301/14/2016	13:38:12 01/14/2016	
0001	alarm 1 30 Bt	1	13:22:2401/14/2016	13:33:14 01/14/2016	13:22:31 01/14/2010
0002	alarm 2 10 斤	1	13:22:26 01/14/2016	13:33:17 01/14/2016	13:22:32 01/14/2010
0003	alarm 3 250 克	1	13:22:27 01/14/2016	13:33:21 01/14/2016	13:22:32 01/14/2010
0004	alarm 4 800 尺	1	13:22:27 01/14/2016	13:33:24 01/14/2016	13:22:32 01/14/201
0005	alarm 5 3 Pf	1	13:22:27 01/14/2016	13:33:27 01/14/2016	13:22:33 01/14/2010
0001	alarm 1 40 🕱	2	13:22:47 01/14/2016	13:38:30 01/14/2016	13:36:39 01/14/2010
0002	alarm 2 20 斤	2	13:22:4901/14/2016	13:33:34 01/14/2016	13:36:39 01/14/2010
0003	alarm 3 300 克	2	13:22:4901/14/2016	13:33:40 01/14/2016	13:36:39 01/14/2010
0004	alarm 4 700 尺	2	13:22:50 01/14/2016	13:33:42 01/14/2016	13:36:40 01/14/2010
0005	alarm 5 5 M	2	13:22:50 01/14/2016	13:33:49 01/14/2016	13:36:40 01/14/2016
Bit Co	ntrol		Word Control		
alarm 1	alarm 2 alarm 2	alarm 4 alarm 6	5 =	6 Condiction 1	
alarm 1	alarm 2 alarm 3	alarm 4 alarm 5	5 = 5 65 < 5	6 Condiction 1 55 Condiction 2	
alarm 1	alarm 2 alarm 3	alarm 4 alarm 5	5 = 65 <	6 Condiction 1 55 Condiction 2 = 999	.111 Condiction 3
alarm 1	alarm 2 alarm 3	alarm 4 alarm 5	5 = 65 < 888 <= 0 <= 8	6 Condiction 1 55 Condiction 2 = 999 <=	:111 Condiction 3
alarm 1	alarm 2 alarm 3	alarm 4 alarm 5	5 = 65 <	6 Condiction 1 55 Condiction 2 999 <=	:111 Condiction 3
alarm 1 Vionitor	alarm 2 alarm 3	alarm 4 alarm 5	5 = 65 <	6 Condiction 1 55 Condiction 2 = 999 <=	:111 Condiction 3



- When the value of Sort Address is 3, the alarm will be displayed according to the [Recovery Time].
- Since alarm No. 8 to 10 have not been cleared, these three will not be listed in Recovery Time.



 When the value of Sort Address is 4, the alarm will be displayed in ascending order (from least to greatest) according to the [Frequency].





• When the value of Sort Address is 5, the alarm will be displayed in ascending order (from least to greatest) according to the [Category].



• When the value of Sort Address is 6, the alarm will be displayed in ascending order (from least to greatest) according to the [No.]

No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
0001	alarm 1 30 度	1	13:22:24 01/14/2016	13:38:14 01/14/2016	13:22:31 01/14/201
0001	alarm 1 40 度	2	13:22:47 01/14/2016	13:38:30 01/14/2016	13:36:39 01/14/2016
0002	alarm 2 10 斤	1	13:22:26 01/14/2016	13:38:17 01/14/2016	13:22:32 01/14/2010
0002	alarm 2 20 斤	2	13:22:49 01/14/2016	13:38:34 01/14/2016	13:36:39 01/14/2010
0003	alarm 3 250 克	1	13:22:27 01/14/2016	13:38:21 01/14/2016	13:22:32 01/14/2010
0003	alarm 3 300 克	2	13:22:49 01/14/2016	13:38:40 01/14/2016	13:36:39 01/14/2010
0004	alarm 4 800 尺	1	13:22:27 01/14/2016	13:38:24 01/14/2016	13:22:32 01/14/2010
0004	alarm 4 700 尺	2	13:22:50 01/14/2016	13:38:42 01/14/2016	13:36:40 01/14/2010
0005	alarm 5 3 时	1	13:22:27 01/14/2016	13:38:27 01/14/2016	13:22:33 01/14/2010
0005	alarm 5 5 时	2	13:22:50 01/14/2016	13:38:49 01/14/2016	13:36:40 01/14/2010
0006	alarm 6	1	13:19:03 01/14/2016	13:38:01 01/14/2016	13:36:42 01/14/2010
0007	alarm 7	1	13:19:03 01/14/2016	13:38:04 01/14/2016	13:36:52 01/14/2010
8000	alarm 8	1	13:19:03 01/14/2016	13:38:09 01/14/2016	
0009	alarm 9	1	13:19:03 01/14/2016	13:38:12 01/14/2016	
0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
alarm 10					▽
4					
alarm 1	alarm 2 alarm 3 :	alarm 4 alarm 5	$\boxed{5} = \boxed{66} < $	6 Condiction 1 55 Condiction 2	
			888	= 999 <=	1111 Condiction 3
			0 <= 8	<= 10 Condiction 4	
Monitor	Addr. 40	20	300	700 5	I
Action Addr	0 Sortin Addr	^g 6	Filter 0 Alar Addr 0 Adar Addr	m Alarm Group Start dr Addr	Alarm Group End Addr



- Filter Address
 - When the value of Filter Address is 0, the Alarm History Table will display all alarms that had been triggered.
 - When the value of Filter Address is 1, the Alarm History Table will hide the alarms that have set with the function of [Recovery Time] and [Acknowledge Time].

	No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
	0006	alarm 6	1	13:19:03 01/14/2016	13:38:01 01/14/2016	13:36:42 01/14/201
	0007	alarm 7	1	13:19:03 01/14/2016	13:38:04 01/14/2016	13:36:52 01/14/2010
	0008	alarm 8	1	13:19:03 01/14/2016	13:38:09 01/14/2016	
	0009	alarm 9	1	13:19:03 01/14/2016	13:38:12 01/14/2016	
	0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
	0001	alarm 1 30 度	1	13:22:24 01/14/2016	13:38:14 01/14/2016	13:22:31 01/14/2010
	0002	alarm 2 10 斤	1	13:22:26 01/14/2016	13:38:17 01/14/2016	13:22:32 01/14/2010
Before	0003	alarm 3 250 克	1	13:22:27 01/14/2016	13:38:21 01/14/2016	13:22:32 01/14/2010
	0004	alarm 4 800 尺	1	13:22:27 01/14/2016	13:38:24 01/14/2016	13:22:32 01/14/2010
	0005	alarm 5 3 时	1	13:22:27 01/14/2016	13:38:27 01/14/2016	13:22:33 01/14/2010
	0001	alarm 1 40 度	2	13:22:47 01/14/2016	13:38:30 01/14/2016	13:36:39 01/14/2010
	0002	alarm 2 20 斤	2	13:22:49 01/14/2016	13:38:34 01/14/2016	13:36:39 01/14/2010
	0003	alarm 3 300 克	2	13:22:49 01/14/2016	13:38:40 01/14/2016	13:36:39 01/14/2010
	0004	alarm 4 700 尺	2	13:22:50 01/14/2016	13:38:42 01/14/2016	13:36:40 01/14/2010
	0005	alarm 5 5 时	2	13:22:50 01/14/2016	13:38:49 01/14/2016	13:36:40 01/14/2016
	alarm 5	5 吋				
	No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
	No .	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
	No . 0008 0009	Message	Frequency	Trigger Time 13:19:03 01/14/2016 13:19:03 01/14/2016	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016	Recovery Time
	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency	Trigger Time 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	
	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	Recovery Time
	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	Recovery Time
	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	Recovery Time
	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	Recovery Time
Aftor	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	
After	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1	Trigger Time	Acknowledge Time	
After	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	Recovery Time
After	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	Recovery Time
After	No. 0008 0009 0010	Message alarm 9 alarm 10	Frequency 1 1	Trigger Time	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	Recovery Time
After	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1	Trigger Time	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	
After	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency 1 1 1	Trigger Time	Acknowledge Time 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	A covery Time
After	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency	Trigger Time	Acknowledge Time	A covery Time
After	No. 0008 0009 0010	Message alarm 8 alarm 9 alarm 10	Frequency	Trigger Time	Acknowledge Time	



• When the value of Filter Address is 2, the Alarm History Table will hide the alarms that have set with the function of [Recovery Time].

No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
0006	alarm 6	1	13:19:03 01/14/2016	13:38:01 01/14/2016	13:36:42 01/14/201
0007	alarm 7	1	13:19:03 01/14/2016	13:38:04 01/14/2016	13:36:52 01/14/2016
0008	alarm 8	1	13:19:03 01/14/2016	13:38:09 01/14/2016	· · · ·
0009	alarm 9	1	13:19:03 01/14/2016	13:38:12 01/14/2016	
0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
0001	alarm 1 30 度	1	13:22:24 01/14/2016	13:38:14 01/14/2016	13:22:31 01/14/2016
0002	alarm 2 10 斤	1	13:22:26 01/14/2016	13:38:17 01/14/2016	13:22:32 01/14/2010
0003	alarm 3 250 克	1	13:22:27 01/14/2016	13:38:21 01/14/2016	13:22:32 01/14/201
0004	alarm 4 800 尺	1	13:22:27 01/14/2016	13:38:24 01/14/2016	13:22:32 01/14/201
0005	alarm 5 3 时	1	13:22:27 01/14/2016	13:38:27 01/14/2016	13:22:33 01/14/201
0001	alarm 1 40 度	2	13:22:47 01/14/2016	13:38:30 01/14/2016	13:36:39 01/14/201
0002	alarm 2 20 斤	2	13:22:49 01/14/2016	13:38:34 01/14/2016	13:36:39 01/14/201
0003	alarm 3 300 克	2	13:22:49 01/14/2016	13:38:40 01/14/2016	13:36:39 01/14/201
0004	alarm 4 700 尺	2	13:22:50 01/14/2016	13:38:42 01/14/2016	13:36:40 01/14/201
0005	alarm 5 5 时	2	13:22:50 01/14/2016	13:38:49 01/14/2016	13:36:40 01/14/2010
alarm 5	5 吋				
No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
0008	alarm 8	1	13:19:03 01/14/2016	13:38:09 01/14/2016	Δ
0009	alarm 9	1	13:19:03 01/14/2016	13:38:12 01/14/2016	
0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
0010	alarm 1U	1	13:19:03 01/14/2016	13:23:25 01/14/2016	
	0006 0007 0008 0009 0010 0001 0002 0003 0004 0005 alarm 5 ⊲ No . 0008 0009 0010	0006 alarm 6 0007 alarm 7 0008 alarm 8 0009 alarm 9 0010 alarm 10 0001 alarm 1210 斤 0003 alarm 3250 克 0004 alarm 4800 尺 0002 alarm 4800 尺 0001 alarm 4700 尺 0002 alarm 3300 克 0004 alarm 55 时 0005 alarm 55 时 alarm 55 时 alarm 8 0009 alarm 9 0010 alarm 10	0006 alarm 6 1 0007 alarm 7 1 0008 alarm 8 1 0009 alarm 9 1 0010 alarm 10 1 0002 alarm 130 gt 1 0001 alarm 4800 尺 1 0003 alarm 3250 克 1 0004 alarm 4800 尺 1 0005 alarm 53 吋 1 0001 alarm 3300 克 2 0002 alarm 55 吋 2 0005 alarm 55 吋 2 alarm 55 吋 2 3 alarm 55 吋 1 2 0008 alarm 8 1 0009 alarm 9 1 0010 alarm 10 1	0006 alarm 6 1 13:19:03 01/14/2016 0007 alarm 7 1 13:19:03 01/14/2016 0008 alarm 8 1 13:19:03 01/14/2016 0009 alarm 9 1 13:19:03 01/14/2016 0001 alarm 10 1 13:19:03 01/14/2016 0001 alarm 130 gt 1 13:22:24 01/14/2016 0002 alarm 210 rf 1 13:22:27 01/14/2016 0003 alarm 3250 克 1 13:22:27 01/14/2016 0004 alarm 4800 尺 1 13:22:27 01/14/2016 0005 alarm 5 3 Pt 1 13:22:27 01/14/2016 0001 alarm 40 gt 2 13:22:49 01/14/2016 0002 alarm 300 克 2 13:22:49 01/14/2016 0004 alarm 4700 尺 2 13:22:50 01/14/2016 0005 alarm 5 5 Pt 2 13:22:50 01/14/2016 0005 alarm 8 5 Pt 2 13:22:50 01/14/2016 0005 alarm 9 1 13:19:03 01/14/2016 0009 <td< th=""><th>0006 alarm 6 1 13:19:03 01/14/2016 13:38:01 01/14/2016 0007 alarm 7 1 13:19:03 01/14/2016 13:38:04 01/14/2016 0008 alarm 8 1 13:19:03 01/14/2016 13:38:09 01/14/2016 0009 alarm 9 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0010 alarm 10 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0001 alarm 100 1 13:22:24 01/14/2016 13:38:17 01/14/2016 0002 alarm 210 fr 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0003 alarm 3250 st 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0004 alarm 4800 R 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0005 alarm 400 gt 2 13:22:49 01/14/2016 13:38:34 01/14/2016 0001 alarm 400 R 2 13:22:49 01/14/2016 13:38:34 01/14/2016 0002 alarm 5 5 mt 2 13:22:49 01/14/2016 13:38:34 01/14/2016 0003 alarm 6 5 mt 2 13:22:50 0</th></td<>	0006 alarm 6 1 13:19:03 01/14/2016 13:38:01 01/14/2016 0007 alarm 7 1 13:19:03 01/14/2016 13:38:04 01/14/2016 0008 alarm 8 1 13:19:03 01/14/2016 13:38:09 01/14/2016 0009 alarm 9 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0010 alarm 10 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0001 alarm 100 1 13:22:24 01/14/2016 13:38:17 01/14/2016 0002 alarm 210 fr 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0003 alarm 3250 st 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0004 alarm 4800 R 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0005 alarm 400 gt 2 13:22:49 01/14/2016 13:38:34 01/14/2016 0001 alarm 400 R 2 13:22:49 01/14/2016 13:38:34 01/14/2016 0002 alarm 5 5 mt 2 13:22:49 01/14/2016 13:38:34 01/14/2016 0003 alarm 6 5 mt 2 13:22:50 0



 When the value of Filter Address is 3, the Alarm History Table will hide the alarms that have set with the function of [Recovery Time] or [Acknowledge Time].

	No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
	0006	alarm 6	1	13:19:03 01/14/2016	13:38:01 01/14/2016	13:36:42 01/14/201
	0007	alarm 7	1	13:19:03 01/14/2016	13:38:04 01/14/2016	13:36:52 01/14/2010
	0008	alarm 8	1	13:19:03 01/14/2016	13:38:09 01/14/2016	
	0009	alarm 9	1	13:19:03 01/14/2016	13:38:12 01/14/2016	
	0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
	0001	alarm 1 30 度	1	13:22:24 01/14/2016	13:38:14 01/14/2016	13:22:31 01/14/2016
	0002	alarm 2 10 斤	1	13:22:26 01/14/2016	13:38:17 01/14/2016	13:22:32 01/14/2016
Before	0003	alarm 3 250 克	1	13:22:27 01/14/2016	13:38:21 01/14/2016	13:22:32 01/14/2016
Delete	0004	alarm 4 800 尺	1	13:22:27 01/14/2016	13:38:24 01/14/2016	13:22:32 01/14/2016
	0005	alarm 5 3 터	1	13:22:27 01/14/2016	13:38:27 01/14/2016	13:22:33 01/14/2016
	0001	alarm 1 40 度	2	13:22:47 01/14/2016	13:38:30 01/14/2016	13:36:39 01/14/2016
	0002	alarm 2 20 斤	2	13:22:49 01/14/2016	13:38:34 01/14/2016	13:36:39 01/14/2016
	0003	alarm 3 300 克	2	13:22:49 01/14/2016	13:38:40 01/14/2016	13:36:39 01/14/2016
	0004	alarm 4 700 尺	2	13:22:50 01/14/2016	13:38:42 01/14/2016	13:36:40 01/14/2016
	0005	alarm 5 5 时	2	13:22:50 01/14/2016	13:38:49 01/14/2016	13:36:40 01/14/2016
	alarm 5 ,	5 吋				
	⊲					
		Magaga	Fraguancy	Triggor Timo	A almauda da a Tima	Decoulons Time
	No.	wessage	Frequency	mgger nine	Acknowledge Time	Recovery nine



When the value of Filter Address is 4, the Alarm History Table will hide the alarms that have set with the function of [Acknowledge Time].

No.	Message	Frequenc y	Trigger Time	Acknowledge Time	Recovery Time
0006	alarm 6	1	13:19:03 01/14/2016	13:38:01 01/14/2016	13:36:42 01/14/2016
0007	alarm 7	1	13:19:03 01/14/2016	13:38:04 01/14/2016	13:36:52 01/14/2010
0008	alarm 8	1	13:19:03 01/14/2016	13:38:09 01/14/2016	
0009	alarm 9	1	13:19:03 01/14/2016	13:38:12 01/14/2016	
0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
0001	alarm 1 30 度	1	13:22:24 01/14/2016	13:38:14 01/14/2016	13:22:31 01/14/2016
0002	alarm 2 10 斤	1	13:22:26 01/14/2016	13:38:17 01/14/2016	13:22:32 01/14/2010
0003	alarm 3 250 克	1	13:22:27 01/14/2016	13:38:21 01/14/2016	13:22:32 01/14/2010
0004	alarm 4 800 尺	1	13:22:27 01/14/2016	13:38:24 01/14/2016	13:22:32 01/14/2010
0005	alarm 5 3 时	1	13:22:27 01/14/2016	13:38:27 01/14/2016	13:22:33 01/14/2010
0001	alarm 1 40 度	2	13:22:47 01/14/2016	13:38:30 01/14/2016	13:36:39 01/14/2010
0002	alarm 2 20 ரு	2	13:22:49 01/14/2016	13:38:34 01/14/2016	13:36:39 01/14/2010
0003	alarm 3 300 克	2	13:22:49 01/14/2016	13:38:40 01/14/2016	13:36:39 01/14/2010
0004	alarm 4 700 尺	2	13:22:50 01/14/2016	13:38:42 01/14/2016	13:36:40 01/14/2010
0005	alarm 5 5 时	2	13:22:50 01/14/2016	13:38:49 01/14/2016	13:36:40 01/14/2016
alarm 5	5 吋				
⊲					
No.	Message	Frequency	Trigger Time	Acknowledge Time	Recovery Time
	No. 0006 0007 0008 0009 0010 0002 0003 0004 0005 0001 0002 0003 0004 0005 alarm 5 ◀ No.	No. Message 0006 alarm 6 0007 alarm 7 0008 alarm 7 0009 alarm 8 0009 alarm 9 0010 alarm 10 0001 alarm 1210 斤 0003 alarm 3250 克 0004 alarm 4800 尺 0005 alarm 220 斤 0001 alarm 220 斤 0003 alarm 220 斤 0004 alarm 4700 尺 0005 alarm 5 5 町 回05 alarm 5 5 町 回 alarm 5 5 町 回 No.	No. Message Frequency 0006 alarm 6 1 0007 alarm 7 1 0008 alarm 8 1 0009 alarm 9 1 0010 alarm 10 1 0001 alarm 100 1 0002 alarm 200 元 1 0003 alarm 3250 克 1 0004 alarm 4800 尺 1 0005 alarm 53 吋 1 0001 alarm 4700 度 2 0002 alarm 4700 皮 2 0003 alarm 55 吋 2 alarm 55 吋 2 alarm 55 吋	No. Message Frequency Trigger Time 0006 alarm 6 1 13:19:03 01/14/2016 0007 alarm 7 1 13:19:03 01/14/2016 0008 alarm 8 1 13:19:03 01/14/2016 0009 alarm 8 1 13:19:03 01/14/2016 0010 alarm 9 1 13:19:03 01/14/2016 0010 alarm 10 1 13:19:03 01/14/2016 0002 alarm 130 gt 1 13:22:24 01/14/2016 0003 alarm 3250 克 1 13:22:27 01/14/2016 0004 alarm 4 800 K 1 13:22:27 01/14/2016 0002 alarm 5 3 Pd 1 13:22:27 01/14/2016 0001 alarm 4 00 gt 2 13:22:49 01/14/2016 0002 alarm 4 700 R 2 13:22:50 01/14/2016 0003 alarm 5 5 Pd 2 13:22:50 01/14/2016 0004 alarm 5 5 Pd 2 13:22:50 01/14/2016 0005 alarm 5 5 Pd 2 13:22:50 01/14/2016 0005 <td< th=""><th>No. Message Frequency Trigger Time Acknowledge Time 0006 alarm 6 1 13:19:03 01/14/2016 13:38:01 01/14/2016 0007 alarm 7 1 13:19:03 01/14/2016 13:38:04 01/14/2016 0008 alarm 8 1 13:19:03 01/14/2016 13:38:09 01/14/2016 0009 alarm 9 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0010 alarm 10 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0001 alarm 130 gt 1 13:22:27 01/14/2016 13:38:12 01/14/2016 0002 alarm 3 250 st 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0003 alarm 4 800 R 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0001 alarm 4 0 gt 2 13:22:47 01/14/2016 13:38:30 01/14/2016 0001 alarm 5 3 rb 1 13:22:27 01/14/2016 13:38:34 01/14/2016 0001 alarm 5 3 rb 1 13:22:47 01/14/2016 13:38:30 01/14/2016 0002 alarm 5 3 rb 2 13:22:49 01/</th></td<>	No. Message Frequency Trigger Time Acknowledge Time 0006 alarm 6 1 13:19:03 01/14/2016 13:38:01 01/14/2016 0007 alarm 7 1 13:19:03 01/14/2016 13:38:04 01/14/2016 0008 alarm 8 1 13:19:03 01/14/2016 13:38:09 01/14/2016 0009 alarm 9 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0010 alarm 10 1 13:19:03 01/14/2016 13:38:12 01/14/2016 0001 alarm 130 gt 1 13:22:27 01/14/2016 13:38:12 01/14/2016 0002 alarm 3 250 st 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0003 alarm 4 800 R 1 13:22:27 01/14/2016 13:38:21 01/14/2016 0001 alarm 4 0 gt 2 13:22:47 01/14/2016 13:38:30 01/14/2016 0001 alarm 5 3 rb 1 13:22:27 01/14/2016 13:38:34 01/14/2016 0001 alarm 5 3 rb 1 13:22:47 01/14/2016 13:38:30 01/14/2016 0002 alarm 5 3 rb 2 13:22:49 01/



		Filte Add	r 5	Alarm Count Addr	1	-
	No.	Message	Frequenc y	Trigger Time	Acknowledge Time	Recovery Time
Before	0006 0007 0008 0009 0010 0002 0003 0004 0002 0003 0004 0002 0003 0004 0002 0003	alarm 6 alarm 7 alarm 7 alarm 8 alarm 9 alarm 10 alarm 130 度 alarm 210 斤 alarm 3250 克 alarm 4 800 尺 alarm 5 5 时	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016 13:20:22 01/14/2016 13:22:24 01/14/2016 13:22:27 01/14/2016 13:22:27 01/14/2016 13:22:27 01/14/2016 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016	$\begin{array}{c} 13:38:01 \ 01/14/2016\\ 13:38:04 \ 01/14/2016\\ 13:38:09 \ 01/14/2016\\ 13:38:12 \ 01/14/2016\\ 13:38:12 \ 01/14/2016\\ 13:38:14 \ 01/14/2016\\ 13:38:17 \ 01/14/2016\\ 13:38:21 \ 01/14/2016\\ 13:38:27 \ 01/14/2016\\ 13:38:30 \ 01/14/2016\\ 13:38:34 \ 01/14/2016\\ 13:38:34 \ 01/14/2016\\ 13:38:40 \ 01/1$	13:36:42 01/14/201(▲ 13:36:52 01/14/201(13:22:31 01/14/201(13:22:32 01/14/201(13:22:32 01/14/201(13:22:33 01/14/201(13:36:39 01/14/201(13:36:39 01/14/201(13:36:39 01/14/201(13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(
After	The Ali Since 1 display No. 0006 0007 0008 0009 0010	arm History the example yed. Message alarm 6 alarm 7 alarm 8 alarm 9 alarm 9 alarm 10	Table will I below has Frequency	Trigger Time 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016 13:19:03 01/14/2016	hich frequency are quency is less than Acknowledge Time 13:38:01 01/14/2016 13:38:09 01/14/2016 13:38:12 01/14/2016 13:25:25 01/14/2016	less than 1. n 1, all alarms will be Recovery Time 13:36:42 01/14/201{▲ 13:36:52 01/14/201
	0001 0002 0003 0004 0005 0001 0002 0003 0004 0005 alarm 5 5	alarm 1 30 度 alarm 2 10 斤 alarm 3 250 克 alarm 3 800 尺 alarm 5 3 时 alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	1 1 1 2 2 2 2 2 2 2 2	13:22:24 01/14/2016 13:22:26 01/14/2016 13:22:27 01/14/2016 13:22:27 01/14/2016 13:22:27 01/14/2016 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	13:38:14 01/14/2016 13:38:17 01/14/2016 13:38:21 01/14/2016 13:38:27 01/14/2016 13:38:27 01/14/2016 13:38:30 01/14/2016 13:38:34 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	13:22:31 01/14/2016 13:22:32 01/14/2016 13:22:32 01/14/2016 13:22:33 01/14/2016 13:22:33 01/14/2016 13:36:39 01/14/2016 13:36:39 01/14/2016 13:36:40 01/14/2016 13:36:40 01/14/2016 13:36:40 01/14/2016 ▼



• ••		Filte Add	er 5 dr 5	Alarm Count Addr	2	
	No.	Message	Frequency	Trigger Time	Acknowledge Time	Recover y Time
	0006	alarm 6	1	13-19-03-01/14/2016	13:38:01 01/14/2016	13.36.42.01/14/2014
	0000	alarm 7	1	13.19.03.01/14/2016	13:38:04 01/14/2016	13:36:52 01/14/2010
	0008	alarm 8	1	13:19:03 01/14/2016	13:38:09 01/14/2016	10:00:02 01;1 ;;201
	0009	alarm 9	1	13:19:03 01/14/2016	13:38:12 01/14/2016	
	0010	alarm 10	1	13:19:03 01/14/2016	13:25:25 01/14/2016	
	0001	alarm 1 30 度	1	13:22:24 01/14/2016	13:38:14 01/14/2016	13:22:31 01/14/2016
	0002	alarm 2 10 斤	1	13:22:26 01/14/2016	13:38:17 01/14/2016	13:22:32 01/14/2016
Before	0003	alarm 3 250 克	1	13:22:27 01/14/2016	13:38:21 01/14/2016	13:22:32 01/14/2010
Dororo	0004	alarm 4 800 尺	1	13:22:27 01/14/2016	13:38:24 01/14/2016	13:22:32 01/14/2010
	0005	alarm 5 3 时	1	13:22:27 01/14/2016	13:38:27 01/14/2016	13:22:33 01/14/2010
	0001	alarm 1 40 度	2	13:22:47 01/14/2016	13:38:30 01/14/2016	13:36:39 01/14/2010
	0002	alarm 2 20 斤	2	13:22:49 01/14/2016	13:38:34 01/14/2016	13:36:39 01/14/2010
	0003	alarm 3 300 克	2	13:22:49 01/14/2016	13:38:40 01/14/2016	13:36:39 01/14/2010
	0004	alarm 4 /00 尺	2	13:22:50 01/14/2016	13:38:42 01/14/2016	13:36:40 01/14/2010
	0005	alarm 5 5 町	2	13:22:50 01/14/2016	13:38:49 01/14/2016	13:36:40 01/14/2010
	alarm 5	5 吋				
	alarm 5 ⊲	5 吋				⊽ ⊲
	The A	5 时 larm History Message	Table will	hide the alarms wh Trigger Time	ich frequency are l Acknowledge Time	ess than 2.
	The A	5 时 Iarm History Message	Table will	hide the alarms wh Trigger Time	hich frequency are l Acknowledge Time	
	alarm 5	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 도	Table will	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016	hich frequency are l Acknowledge Time 13:38:30 01/14/2016	▼ ● ess than 2. Recovery Time 13:36:39 01/14/2014 13:36:39 01/14/2014
	alarm 5 ⊲ The A No. 0001 0002 0003	5 时 larm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克	Table will Frequency 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016	hich frequency are l Acknowledge Time 13:38:30 01/14/2016 13:38:40 01/14/2016 13:38:40 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(▲ 13:36:39 01/14/201(▲ 13:36:39 01/14/201(▲)
	alarm 5	5 터 larm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺	Table will Frequency 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016	hich frequency are l Acknowledge Time 13:38:30 01/14/2016 13:38:40 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(▲ 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(
	alarm 5	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Frequency 2 2 2 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	hich frequency are l Acknowledge Time 13:38:30 01/14/2016 13:38:34 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(
	alarm 5	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Frequency 2 2 2 2 2 2 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	Acknowledge Time 13:38:30 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 00) 13:36:40 00000000000000000000000000000000000
After	alarm 5 □ The A No. 0001 0002 0003 0004 0005	5 터 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 터	Frequency 2 2 2 2 2 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	Acknowledge Time 13:38:30 01/14/2016 13:38:34 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(▲ 13:36:39 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(
After	alarm 5 □ The A No. 0001 0002 0003 0004 0005	5 터 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 터	Frequency 2 2 2 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	Acknowledge Time	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 00) 13:36:40 00000000000000000000000000000000000
After	alarm 5	5 터 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 터	Table will Frequency 2 2 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	Acknowledge Time 13:38:30 01/14/2016 13:38:34 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(▲ 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(
After	alarm 5 ◀ The A No. 0001 0002 0003 0004 0005	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 3 700 尺 alarm 5 5 时	Zable will 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	ich frequency are l Acknowledge Time 13:38:30 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(
After	alarm 5 ◀ The A No. 0001 0002 0003 0004 0005	5 时 larm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Zable will 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	hich frequency are l Acknowledge Time 13:38:30 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(▲ 13:36:39 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(
After	alarm 5 ◀ The A No. 0001 0002 0003 0004 0005	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Zable will Frequency 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	hich frequency are l Acknowledge Time 13:38:30 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(13:36:40 01/14/201(
After	alarm 5 ◀ The A No. 0001 0002 0003 0004 0005	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Frequency 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	hich frequency are l Acknowledge Time 13:38:30 01/14/2016 13:38:34 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(
After	alarm 5	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Zable will 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	Acknowledge Time 13:38:30 01/14/2016 13:38:34 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 00) 000(13:30 000(13:30) 000(13:30) 000(13:3
After	alarm 5	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Zable will 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	Acknowledge Time 13:38:30 01/14/2016 13:38:34 01/14/2016 13:38:42 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 00) 000(13:30 000(13:30) 000(13:30) 000(13:3
After	alarm 5 ⊲ The A No. 0001 0002 0003 0004 0005	5 时 Iarm History Message alarm 1 40 度 alarm 2 20 斤 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	Zable will 2 2 2 2 2 2 2 2 2	hide the alarms wh Trigger Time 13:22:47 01/14/2016 13:22:49 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016 13:22:50 01/14/2016	hich frequency are Acknowledge Time 13:38:30 01/14/2016 13:38:40 01/14/2016 13:38:40 01/14/2016 13:38:42 01/14/2016 13:38:49 01/14/2016	▼ ess than 2. Recovery Time 13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(



• When the value of Filter Address is 6, please set [Alarm group begin address] to 1 and [Alarm group end address] to 3.

	Filte Ade	er 6	Ala Gro Sta Ac	rm Jup art Idr	1	Alarm Group End Addr	3	
	No.	Message	Frequency	Tri	gger Time	Acknowle	dge Time	Recovery Time
Before	0006 0007 0008 0009 0010 0002 0003 0004 0005 0001 0002 0003 0004 0005 alarm 5	alarm 6 alarm 7 alarm 8 alarm 9 alarm 10 alarm 1 30 度 alarm 2 10 斤 alarm 3 250 克 alarm 4 800 尺 alarm 5 3 时 alarm 1 40 度 alarm 3 300 克 alarm 3 300 克 alarm 4 700 尺 alarm 5 5 时	1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2	13:19:0 13:19:0 13:19:0 13:19:0 13:22: 13:22: 13:22: 13:22: 13:22: 13:22: 13:22: 13:22: 13:22: 13:22: 13:22:	03 01/14/2016 03 01/14/2016 03 01/14/2016 03 01/14/2016 03 01/14/2016 24 01/14/2016 26 01/14/2016 27 01/14/2016 27 01/14/2016 47 01/14/2016 49 01/14/2016 50 01/14/2016 50 01/14/2016	13:38:01 13:38:04 13:38:09 13:38:12 13:25:25 13:38:14 13:38:17 13:38:17 13:38:21 13:38:24 13:38:24 13:38:34 13:38:40 13:38:49	01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016 01/14/2016	13:36:42 01/14/201(▲ 13:36:52 01/14/201(13:22:31 01/14/201(13:22:32 01/14/201(13:22:32 01/14/201(13:22:33 01/14/201(13:36:39 01/14/201(13:36:39 01/14/201(13:36:39 01/14/201(13:36:40 01/14/201(13:36:4
	lf the a [Alarm	larm numbe group end a	r is not wit address], t	hin th he ala	e setting rai irm will not l	nge of [Ala be display	arm group ed.	begin address] and
			Number	🛛 LED	Message Co	ntent	Category	
			1		alarm 1 %d1 度		1	
			2		alarm 2 %d1 斤		1	
			3		alarm 3 %d1 克		1	
			4		alarm 4 %d1 尺		1	
			5		alarm 5 %d1 吋		1	
			6		alarm 6		5	
			7		alarm 7		5	
			8		alarm 8		5	
			9		alarm 9		5	
After			10		alarm 10		5	
	No.	Message	Frequency	Tri	gger Time	Acknowle	edge Time	Recovery Time
	0001	alarm 1 30 度	1	13:22:	24 01/14/2016	13:38:14	01/14/2016	13:22:31 01/14/201
	0002	alarm 3 250 克	1	13:22:	27 01/14/2016	13:38:21	01/14/2016	13:22:32 01/14/2010
	0004	alarm 4 800 尺	1	13:22:	27 01/14/2016	13:38:24	01/14/2016	13:22:32 01/14/2016
	0005	alarm 5 ⊰ ਯ alarm 1 40 n≣	2	13:22:	47 01/14/2016 47 01/14/2016	13:38:27	01/14/2016	13:22:33 01/14/2016
	0002	alarm 2 20 ரி	2	13:22:	49 01/14/2016	13:38:34	01/14/2016	13:36:39 01/14/2010
	0003	alarm 3 300 克 alarm 4 700 분	2	13:22:	49 01/14/2016 50 01/14/2016	13:38:40	01/14/2016	13:36:39 01/14/2016
	0005	alarm 5 5 터	2	13:22:	50 01/14/2016	13:38:49	01/14/2016	13:36:40 01/14/2016
	4							♥



When the value of Filter Address is 6, please set [Alarm group begin address] to 3 and [Alarm group end address] to 5.





3.3 The alarm export and import file format now supports Excel

The previous supported format does not allow users to edit the file. DOPSoft 2.00.05 provides Excel file format so that users can edit the alarm information.

Export file format only supports Excel file format, such as ".xls" and ".xlsx".

Excel File(*.xls)	-
Excel File(*.xls)	
Excel File(*.xlsx)	

As for the import file format, it supports ".ini", ".alm" and "Excel" file format.

Excel File(*.xls;*.xlsx) 👻
Excel File (*.xls;*.xlsx)
Alarm Describe File (*.alm)
INI File (*.ini)

Below shows the Excel file exported by DOP-B series HMI.

Alarm Content

A	Α	B		C	D	- I	K	L	M	N	0	P	Q	R	S
1	[No.]	LEL	D][Chinese Alan	m Message]	[ENG Alarm Message]	[Group]	[Text Color]	[Property]	[Goto Scree	[Mail To]	[00]	[BCC]	[AttachScreen]	[Chinese Mail Content]	[ENG Mail Content]
2	编辑	LED	Chinese ang	【内容】	[ENG 訊恩內容]	卷두신]	文字颜色	警報屬性	管释重面	収件者	副本	密件副本	阳仟加入警察畫面	[Chinese 鄭作内容]	[ENG 郵件內容]
3	1		1 Alarm 1		EN_ALARM I		1 RGB(0,0,255)	0	0					0	
4	- 2	2	1 Alarm 2		EN_ALARM 2		1 RGB(0,0,0)	1	0					0	
5	3	3	1 Alarm 3		EN_ALARM 3		1 RGB(0,0,0)	1	0					0	
6	4	\$	1 Alarm 4		EN_ALARM 4		1 RGB(0,0,0)	1	0					0	
7	1	5	1 Alarm 5		EN_ALARM 5		2 RGB(0,0,0)	1	0					0	
8	6	5	I Alarm 6		EN_ALARM 6		2 RGB(0,0,0)	1	0					0	
9	1	7	1 Alarm 7		EN_ALARM7		2 RGB(0,0,0)	1	0					0	
10	8	3	1 Alarm 8		EN_ALARM 8		2 RGB(0,0,0)	1	0					0	
11	5	9	1 Alarm 9		EN_ALARM 9		2 RGB(0,0,0)	1	0					0	
12	10)	1 Alarm 10		EN_ALARM 10		2 RGB(0,0,0)	1	0					0	
13	11	1	1 Alarm 11		EN_ALARM 11		2 RGB(0,0,0)	1	0					0	
14	12	2	1 Alarm 12		EN_ALARM 12		2 RGB(0,0,0)	1	0					0	
15	13	3	1 Alarm 13		EN_ALARM 13		2 RGB(0,0,0)	1	0					0	
16	14	1	1 Alarm 14		EN_ALARM 14		2 RGB(0,0,0)	1	0					0	
17	15	5	1 Alarm 15		EN_ALARM 15		2 RGB(0,0,0)	1	0					0	
18	10	5 1	1 Alarm 16		EN_ALARM 16		2 RGB(0,0,0)	1	0					0	
19	17	7	1 Alarm 17		EN_ALARM 17		2 RGB(0,0,0)	1	0					0	
20	18	3	1 Alarm 18		EN_ALARM 18		2 RGB(0,0,0)	1	0					0	
21	15)	1 Alarm 19		EN_ALARM 19		2 RGB(0,0,0)	1	0					0	
22	20)	1 Alarm 20		EN_ALARM 20		2 RGB(0,0,0)	1	0					0	
23	21	1	1 Alarm 21		EN_ALARM 21		3 RGB(0,0,0)	1	0					0	
24	22	2	1 Alarm 22		EN_ALARM 22		3 RGB(0,0,0)	1	0					0	
25	23	3	1 Alarm 23		EN_ALARM 23		3 RGB(0,0,0)	1	0					0	
26	24	1	1 Alarm 24		EN_ALARM 24		3 RGB(0,0,0)	1	0					0	
27	25	5	1 Alarm 25		EN_ALARM 25		3 RGB(0,0,0)	1	0					0	
28	26	5	1 Alarm 26		EN_ALARM 26		3 RGB(0,0,0)	1	0					0	
29	27	7	1 Alarm 27		EN_ALARM 27		3 RGB(0,0,0)	1	0					0	
30	25	3	1 Alarm 28		EN_ALARM 28		3 RGB(0,0,0)	1	0					0	
31	23	9	1 Alarm 29		EN_ALARM 29		3 RGB(0,0,0)	1	0					0	
32	30)	1 Alarm 30		EN_ALARM 30		3 RGB(0,0,0)	1	0					0	
33	31	1	1 Alarm 31		EN_ALARM 31		4 RGB(0,0,0)	1	0					0	
34	32	2	1 Alarm 32		EN_ALARM 32		4 RGB(0,0,0)	1	0					0	
35	33	3	1 Alarm 33		EN_ALARM 33		4 RGB(0,0,0)	1	0					0	
14.4	P H	-315+mm	Content / AlarmS	Setting / 🐑 /									14		



1.2	A	В	C	D
1	[Language]	[Font]	[Size]	[Ratio]
2		字型:	大小:	缩放:
3	Chinese	Arial	12	100
4	ENG	MV Boli	22	150
5				
6	Alarm Setting	警報設定		
7	Address	讀取位址	\$6666	
8	Scan Time	取樣週期(秒)	0.500000	
9	Max Records	最多可存筆數	9999	
10	Hold	啟用斷電保持	1	
11	Hold Place	斷電保持於	2	
12	CSV	輸出CSV	1	
13	Exit Screen Saver	警報發生時離開螢幕係	1	
14				
15				
16				
17	Alarm Moving Sign	警報走馬燈		
18	Enable	啟動	1	
19	Position	視屏顯示位置	0	
20	Direction	移動方式	1	
21	Moving Points	每次移動點數	3	
22	Interval	間隔時間(毫秒)	1000	
23	BackgroundColor	背景颜色	RGB(255,255,128)

Below shows the Excel file exported by DOP-W series HMI.

• Alarm Content

1	A	. B	BC	D	E	H	1	ĸ	м	N	0	P	Q	R	s
1	[No.]	[L.E	ED [Language1 Alarm Message]	[Language2 Alarm Message]	[Category]	[Trigger]	[Watch]	[Text Color]	[Goto Scree	t[Mail To]	[CC]	[BCC]	[AttachScreen]	[Langiage1 Mail Content]	[Languige2 Mail Content]
2	編號	LEI	iD [Language1 訊應內容]	[Language2 訊息內容]	類別	屬發條件	監看位址	文字硬色	警经查面	收件者	副本	密件副本	时件加入警報畫面	[Language1 郵件內容]	[Languige2 郵件內容]
3	1		1 alam 1 %dl 度		22586	I ON	\$500	RGB(0,0,0)	2)	
4	1	2	1 alarm 2 %d1 斤		1	I ON	\$501	RGB(0,0,0)	0);)	
5	3	3	1 alarm 3 %d1 克		1	I ON	\$502	RGB(0,0,0)	0)	
6	4	1	1 alarm 4 %d1 尺		1	I ON	\$503	RGB(0,0,0)	0	1)	
7		5	1 alarm 5 %d1 ##		1	I ON	\$504	RGB(0,0,0)	0))	
8	6	5	I alarm 6			5 \$100 = \$20	CNone	RGB(0,0,0)	2	6)	
9		7	1 alarm 7		1	5 \$110 < \$21	CNone	RGB(0,0,0)	0))	
10	8	3	1 alarm 8			5 (Link2)1@	INone	RGB(0,0,0)	0	6				0	
11	9	÷	1 alarm 9			50 <= \$120 -	None	RGB(0,0,0)	0);)	
12	10)	1 alarm 10			5 (Link2)1@	1None	RGB(0,0,0)	0))	
13	11	1	1		(O ON	None	RGB(0,0,0)	0	6				0	
14	12	2	1		(O ON	None	RGB(0,0,0)	0).)	
15	13	3	1		(O ON	None	RGB(0,0,0)	0))	
16	14	÷	1		(ON (None	RGB(0,0,0)	0))	
17	15	5	1		(O ON	None	RGB(0,0,0)	0). 				0	
18	10	5	1		(ON ON	None	RGB(0,0,0)	0	1				0	
19	17	7	1		(ON	None	RGB(0,0,0)	0))	
20	18	3	1		(O ON	None	RGB(0,0,0)	())	
21	19	9	1		(O ON	None	RGB(0,0,0)	0))	
22	20)	1		(O ON	None	RGB(0,0,0)	0))	
23	21		1		(O ON	None	RGB(0,0,0)	())	
24	2	2	1		(ON	None	RGB(0,0,0)	0))	
25	23	3	1		(O O N	None	RGB(0,0,0)	0))	
26	24	4	1		(O ON	None	RGB(0,0,0)	0))	
27	25	5	1		(ON	None	RGB(0,0,0)	0))	
28	25	5	1		(ON	None	RGB(0,0,0)	0)	
29	2	7	1		(O ON	None	RGB(0,0,0)	0))	
30	28	3	1		(ON	None	RGB(0,0,0)	0))	
31	25)	1		(O ON	None	RGB(0,0,0)	0)	
32	30)	1		(ON	None	RGB(0,0,0)	())	
33	31		1		(ON	None	RGB(0,0,0)	())	
34	32	2	1		(O ON	None	RGB(0,0,0)	())	
35	33	3	1		(NO	None	RGB(0,0,0)	()				0	
14 4	P H	Alam	mContent AlamSetting / 93 /									14			



1	A	В	С	D
1	[Language]	[Font]	[Size]	[Ratio]
2		字型:	大小:	縮放:
3	Languagel	Arial	12	100
4	Language2	Arial	12	100
5				
6	Alarm Setting	警報設定		
7	Address	讀取位址	\$6666	
8	Scan Time	取樣週期(秒)	0.500000	
9	Max Records	最多可存筆數	9999	
10	Hold	啟用斷電保持	1	
11	Hold Place	斷電保持於	0	
12	CSV	輸出CSV	0	
13	Exit Screen Saver	警報發生時離開螢幕保	1	
14	Screen Display Mode	警報畫面顯示	0	
15	Continue Address	警報位址連續	0	
16				
17	Alarm Moving Sign	警報走馬燈		
18	Enable	啟動	0	
19	Position	視屏顯示位置	0	
20	Direction	移動方式	0	
21	Moving Points	每次移動點數	1	
22	Interval	間隔時間(毫秒)	100	
23	BackgroundColor	背景顏色	RGB(252,252,252)

3.4 Button of Sound Setting is now available in DOP-W series HMI

DOP-W127B and DOP-157B series HMIs have built-in function of 1.5 watt audio output. This newly added function allows users to control the external and internal audio output switch respectively. Before that, users have to go to system directory to adjust the volume. Now, with the Sound Setting button, users can directly adjust the volume on the edit screen.



Right click on [Button] element and select [Sound settings]. Then, create this button by dragging it to the screen.



Then, users can directly adjust the volume and control the switch of external and internal audio output on HMI screen.





3.5 Full screen and Time slider control

DOP-W series HMI supports Full screen play and Time slider control now.

Full screen:

Users can play the video in full screen by touching the video element. Touch the element again to resume the video to the original size.







Time Slider Control:

This function is not supported when you play the video in full screen.



3.6 Tag function is now supported by element and macro

Step 1: Go to [Options] > [Tag Table] to add Tag.

🔳 Tag Ta	able				— ×
	🖻 🖟 🔀				
Numbe	Name	Туре	Address	Description	
1	AAA	WORD	\$100		
2	BBB	WORD	\$200		
3	CCC	WORD	\$300		

Step 2: Apply Tag function in macro.





Step 3: Go to [Edit] > [Find] and enter the Tag name. Select [Text] as the Type. Then, you will be able to find the related macros in Output window.







3.7 When entering the password in DOP-W series HMI, users no longer need to select the security level. When logging in DOP-W series HMI, users only have to enter the account and password. There is no need to select the security level beforehand. Furthermore, when you log into the highest level, you just need to check "Security login" and enter the password.

See the example below:

Step 1: Create the [Password] button and [numeric entry] element. Set the numeric entry element to level 2. Go to [Options] > [Configuration] and check [Insufficient password level reminder].

figuration		
Main Main Introl Block	Standard HMI Type DDP-W157B 65536 Colors HMI Rotation Angle 0 degree	Show disk access error message Alarm Recipe History Siartup Delay Time 0 (s)
Print Default	Non-volatile data location Setting Security Password 12345678 Starting Level 0	Cock Macro Delay Time 100 (ms) Cock Macro Priority Low • Background macro update cycle 1 (ms) System Message Language
Vetwork App	Witting I Second subset Bool Permas Insufficient password level reminder Doi't show password input window when low grade Check password when downloadprogram Bazzer ON OFF Sound On Emble USB updating check Prevent upload	Language Traditional Chinese \$ Samish \$ Simplified Chinese \$ English

Step 2: When you create the element, please download the screen to the HMI. Execut the numeric entry element and you will be requested to enter the account and password. (The default account is 2 and password is 22222222.)

LOGIN		X
		Security Login
Account	2	
Password	******	
	1	ОК



Step 3: Then, the system can identify your user level as 2 according to the account and password you entered.

Enter Password	k	0		
	Numeric ke	eyPad		X
	0			
	0~9999			
	1	2	3	CLR
	4	5	6	DEL
	7	8	9	ENT
	+/-	0	•	

If you wish to log into the highest level, please check [Security Login]. You just need to enter the password (The default password is 12345678). See the screen shown as below.

LOGIN	X
	✓ Security Login
Account	
Password	*****
	ОК

3.8 After scanning the barcode, there is no need to write the data into its address by pressing the Enter button.

Defere	Users have to firstly touch the Barcode element and scan the barcode when it glitters. Then, press
Belore	the Barcode element again to access the information.
After	Touch the Barcode element. When the element glitters, users can directly scan the barcode and
	write the data into its address.

3.9 DOP-B10VS511 VGA Input supports 60Hz of scanning frequency

Before	B10VS511 only supports the scanning frequency of 800*600 50Hz		
After	B10VS511 supports two types of scanning frequency, 800*600 50Hz and 800*600 60Hz. Users		
	can connect to non-DMV device, such as PC to display the screen on B10VS511.		



Newsletter

3.10 Number of M device supported by HMC series HMI increases to 8192.			
Before	It supports 4096 M devices.		
After	It supports 8192 M devices.		

3.11 DVP 12SE and DVP EH3 / DVP EH3-L models support PLC upload/download function.

3.12 Network type HMI, including DOP-B, DOP-H and HMC supports HMI Doctor function for self-verification on the Net.

Go to HMI system directory and select [HMI Doctor] > [Network] to ping the connectable IP address on the Net. Then, users can acquire Average TTL, Max Elapsed Time, Average Elapsed Time according to the input Ping IP address, Ping Size, Ping Fragment, Ping Timeout and Ping Count Note: You cannot enter the HMI's IP address here.

ÐŰF	7-B • 급⊪	1I Doctor •			S Back	A Home
	Netwo Ping 2 Ping 2 Ping 1 Ping 0 Ping 0 Ping 1 - Suc - Fail - Ave - Max - Ave	ork Status: Na IP : Size : 0 Fragment : 0 Timeout : 0 Count : 0 Result cessful Count count rage TTL clapsed Time rage Elapsed Sta	etwork Testing 0. 0. 0. (1=set flag) ms : 0 : 0 : 0 : 0 ms Time: 0 ms art Sto	0		
						►
	Green	Red	Black	White	Network	



通

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品





Ping parameters setting	
ОР-В • ⊟нм	
Networ Ping IP Ping Si Ping Ti Ping Ti	k Status: Link Successful 192.168.123.179 ze 1000 agment: 0 (1=set flag) meout 50000 ms ount 8 esult essful Count 2 Count 0 age TTL 128 Elapsed Time < 1 ms age Elapsed Time < 1 ms age Elapsed Time < 1 ms age Elapsed Time < 1 ms b Cuck Back UP DOWN LEFT RIGHT CLICK BACK
Ping IP	Enter the IP address to be tested. Note: Do not enter the HMI's IP address.
Ping Size Enter the package size, which range is from 0 to 1500.	
Users can determine if the packet can be segmented or notPing FragmentEnter 0 means you are going to segment the packet by RouEnter 1 means it is not allowed to use Router to segment the	
Ping Timeout	Enter the time of Timeout, which range is from 0 to 600000 ms. For example, if you enter 300 ms, when you have not received the package after 300 ms, it will be regarded as Timeout.
Ping Count	Enter the ping count, which range is from 0 to 100000.



Ping Result				
DOP-B • HMI Doctor •				
Ping F Ping T Ping C Ping C Pi	Ize : 1000 ragment : 0 (1=set flag) imeout : 50000 ms iount : 0 icessful Count : 10 Count : 0 rage TTL : 128 Elapsed Time : 1 ms rage Elapsed Time : 1 ms rage Elapsed Time : 1 ms terr Stor UP DOWN LEFT RIGHT CLICK BACK			
	When the setting of Ping parameter is complete, please press the			
Successful Count	Start button. The Successful Count will show the succeeded times			
	of ping count.			
Fail Count	When the setting of Ping parameter is complete, please press the			
	Start button. The Fail Count will show the failure times of ping count.			
	I I L is the abbreviation of Time to Live. Its maximum value is 255. If			
	the value of TTL is 242, it means the packet has gone through 13			
Average IIL	Routers.			
	When the setting of Ping parameters is complete, press the Start			
	button to see the value of Average TTL.			
Max Elapsed Time	Liapsed Time represents the time from packet sending to packet			
	receiving.			
	when the setting of Ping parameters is complete, press the Start			
Average Elapsed Time	button to see the value of Max Elapsed Time and Average Elapsed			
	Lime.			



Newsletter

3.13 Add PLC Controllers.

Add as below PLC controllers could connect with HMI.

Manufacture	Connection	Series
BECKHOFF	Ethernet	TwinCAT ADS/AMS TCP
Keyence	Ethernet	KV Series TCP
	Ethernet	FP Series TCP
Panasonic	СОМ	FP7 Series
	Ethernet	FP7 Series TCP
Mitsubishi	Ethernet	FX3U Ethernet
Megmeet	СОМ	MC 280
SIEMENS	Ethernet	S7 LOGO (ISO TCP)
YASKAWA	Ethernet	SIO UDP