### INSTRUCTIONS

# **USB INTERFACE**

RIGHT FROM THE START



# Contents

1.	Warnings	2
2.	Important User Information	. 2
3.	Introduction	. 2
4.	Installation	3
5.	Device Configuration	5
6.	Specifications	7

# **Product Compatibility**

This interface is suitable for use with AuCom CSX, EMX3 and MV soft starters.

# Disclaimer

The examples and diagrams in this manual are included solely for illustrative purposes. The information contained in this manual is subject to change at any time and without prior notice. In no event will responsibility or liability be accepted for direct, indirect or consequential damages resulting from the use or application of this equipment.

© 2019 AuCom Electronics Ltd. All Rights Reserved.



## WARNING

For your safety, isolate the soft starter completely from mains voltage before attaching or removing accessories.



### WARNING

Observe all necessary safety precautions when controlling the soft starter remotely. Alert personnel that machinery may start without warning.

# 2. Important User Information

It is the installer's responsibility to follow all instructions in this manual and to follow correct electrical practice.

# 3. Introduction

The USB Interface lets the soft starter connect to a PC, allowing the starter to be configured via dedicated management software.

These instructions detail the installation, set-up and configuration of the USB Interface. For details on using the management software, refer to the software help file.

-	
I	<u> </u>
I	
I	
I	_
L	

### NOTE

For WinMaster to communicate with a soft starter via the USB Interface, WinMaster must be configured to use the AP ASCII or AP Binary protocols.

# 4. Installation



### CAUTION

Remove mains and control voltage from the soft starter before attaching or removing accessories. Failure to do so may damage the equipment.

# 4.1 Installation Procedure

- 1. Remove control power and mains supply from the soft starter.
- 2. Fully pull out the top and bottom retaining clips on the interface. [A]
- 3. Line up the interface with the comms port slot. [B]
- 4. Push in the top and bottom retaining clips to secure the interface to the starter. [C]
- 5. Apply control power to the soft starter.



To remove the interface:

- 1. Remove control power and mains supply from the soft starter.
- 2. Take the interface off-line.
- 3. Disconnect all external wiring from the interface.
- 4. Fully pull out the top and bottom retaining clips on the interface. [A]
- 5. Pull the interface away from the soft starter.



## 4.2 Soft Starter Connection

CSX: For the USB Interface to accept fieldbus commands, a link must be fitted across terminals A1-02 on the soft starter.

EMX3 and MV: Input links are required across the stop and reset inputs if the soft starter is being operated in Remote mode. In Local mode, links are not required.



### NOTE

EMX3 and MV: Parameter *Comms in Remote* selects whether the soft starter will accept Start and Stop commands from the Serial Network Master while in Remote Mode. Refer to the soft starter user manual for parameter details.



# 5. Device Configuration

The USB Interface requires a driver to operate correctly. Contact your local supplier for the latest version of the driver.

To bring the USB Interface on-line:

- 1. Remove control power and mains supply from the soft starter.
- 2. Attach the interface to the soft starter.
- 3. Connect the interface to the PC via a USB cable. The PC should detect the interface and the Hardware Update Wizard will open.
- 4. Install the USB driver to operate the interface as follows.

Found New Hardware Wizard	Found New Hardware Wizard
Welcome to the Found New Ladvace Wizard Will search for current and updated software by looking on your computer, on the hardware installation CD, or on twindows Update Web site (with your permission). Red our privacy policy Can Windows connect to Windows Update to search for software? Pass, this time only Pass, now and every time I connect a device Res, now this time Click Next to continue.	Image: Second
< <u>Back</u> <u>Next</u> Cancel	< <u>Back</u> <u>N</u> ext> Cancel G
Found New Hardware Wizard Please choose your search and installation options.	Browse For Folder
• Search for the best driver in these locations.	
Use the check boxes below to limit or expand the default search, which includes le paths and removable media. The best driver found will be installed.  Search removable media (floppy, CD-ROM)  Include this location in the search  C:\Documents and Settings\user\Desktop\USB Comm  Browse  O Don't search. I will choose the driver to install.  Choose this option to select the device driver from a list. Windows does not guara the driver you choose will be the best match for your hardware.	ocal       Image: My Documents         Image: My Computer       My Computer         Image: My Network Places       Image: My Network Places         Image: My Network Places       Image: Win 98_ME         Image: Win NP_Vista       Image: My Network Places         Image: Win NP_Vista       Image: Min 98_ME         Image: Image: Image: My Network Places       Image: Win NP_Vista         Image: Imag
	OK Cancel 8588
< Back Next > Ca	

Click on Ok, then Next. The software will install. If you see a prompt, click Continue Anyway. Once installation is complete, click Finish.

5. The PC will prompt you to install serial port driver software. Repeat the procedure in Step 4. You may need to restart your PC once the driver software is installed.

#### INSTRUCTIONS

6. Identify the USB Serial Port assignment by checking Control panel > System > Hardware > Device Manager > Ports (COM & LPT).





### NOTE

If the USB port is not shown, disconnect then reconnect the cable. If the problem persists, restart your PC.

7. Open WinMaster and change the settings as follows:

AP ASCII or AP Binary
9600
20
Use the serial port number identified above

8. Apply control voltage to the soft starter and bring the Master on-line.



#### NOTE

The starter may trip on Starter Comms while the Master is off-line. Reset the soft starter and place the Master on-line.



#### NOTE

The drivers will configure the USB port that the interface is connected to. You must use the same physical USB port every time you connect the interface to the PC.

# 6. Specifications

### • Enclosure

Dimensions	40 mm (W) x 166 mm (H) x 90 mm (E	D)
Weight		g
Protection	IP2	20

## • Mounting

Spring-action plastic mounting clips (x 2)

### • Connections

Soft starter	 6-way pin assembly
Network	 USB-B
Maximum cable length	 3 metres (not supplied)

### • Settings

Protocol	 AP ASCII, AP Binary
Network address	 
Data rate (bps)	 

