

Instruction Sheet

(1) General precautions

Thank you for purchasing this product. This NC-MOT instruction sheet provides information for the NC-MOT series touch panel. Before using this product, read through this instruction sheet carefully to ensure the correct use of the product. Keep this sheet handy for quick reference whenever needed. Before finishing reading this sheet, follow these instructions:

- Install the product in an indoor environment which is free of vapor and corrosive and inflammable gas.
- Refer to the wiring diagram when connecting the wires.
- Ensure this product is correctly grounded. The grounding method must comply with the national electrical standard guidelines (refer to NFPA 70: National Electrical Code, 2005 Ed.).
- Do not disassemble the touch panel or change the wiring when power is on.
- Do not touch the power supply when power is on, or it may cause electric shock.
- When the touch panel displays a low power notification and requires a battery change, contact the local distributor or Delta Customer Service Center for the replacement. Do not change the batteries by yourself.
- This product can be used with other industrial automation equipment. Read this sheet carefully and install the product according to the instructions to avoid danger.
- Cleaning method: use a dry cloth to clean the product.
- This product must be used at an altitude below 2,000 m (6561.68 ft).
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

If you have any inquiry during operation, contact our local distributors or Delta Customer Service Center. The instruction sheet may be revised without prior notice. Contact our distributors or download the latest version from the Delta website (<http://www.deltaww.com.tw/ia>).

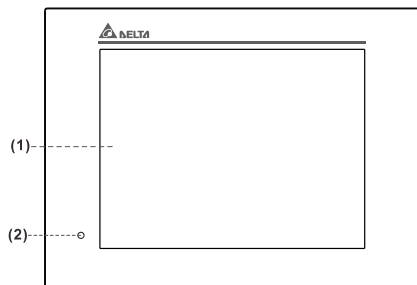
(2) Model explanation

NC-MOT-10□□□E
(1) (2) (3) (4) (5) (6) (7)

No.	Item	Description	No.	Item	Description
(1)	Series name	NC series	(5)	Touch screen	C: capacitive type R: resistive type
(2)	Model name	MOT: monitor	(6)	Type	S: standard display panel T: touch panel
(3)	Screen size	10: 10" 15: 15"	(7)	Version	E: economy
(4)	Display aspect ratio	S: 4:3 W: 16:9	-	-	-

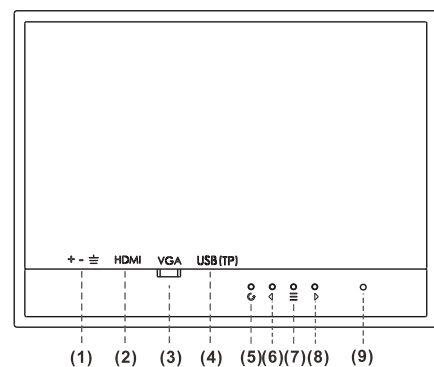
(3) Description of each part

Front



No.	Item
(1)	Operation / display area
(2)	Power indicator Green: power on; Orange: no signal

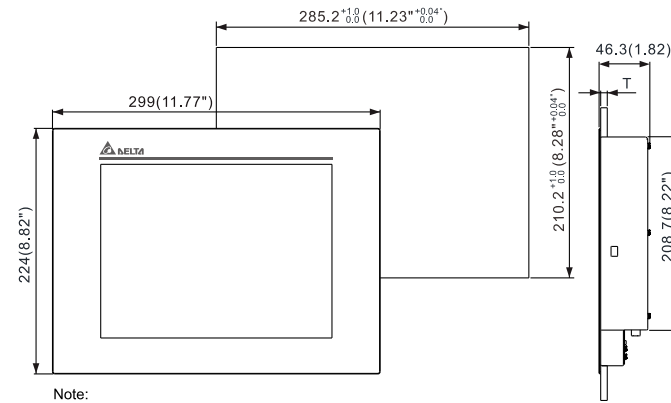
Rear



No.	Item
(1)	Power input connector
(2)	HDMI port
(3)	VGA port
(4)	USB (TP) port
(5)	Auto mode
(6)	UP key
(7)	Menu key
(8)	DOWN key
(9)	Power signal indicator

(4) Mounting dimensions

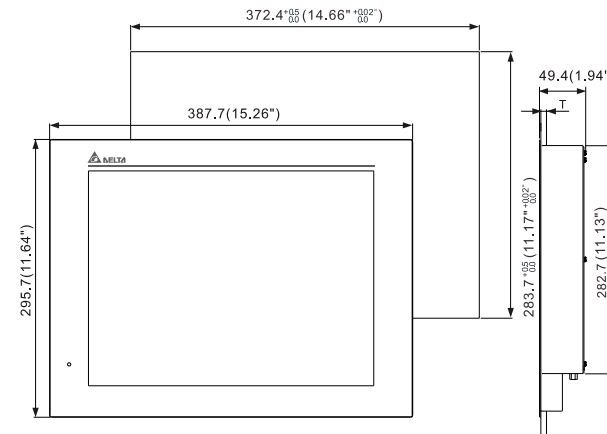
NC-MOT-10SRTE



Note:
T=1.6mm~6mm(0.06"~0.24")

Unit: mm (inch)

NC-MOT-15SRTE



Note:
T=1.6mm~6mm(0.06"~0.24")

Unit: mm (inch)

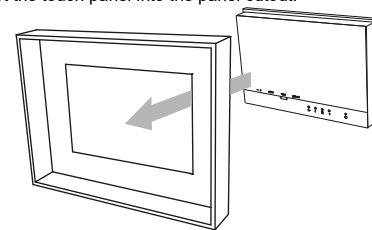
(5) Installation and wiring

Precautions:

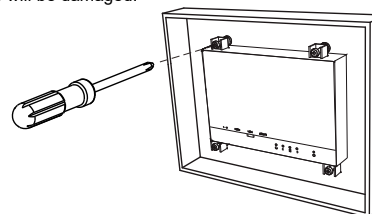
- Incorrect mounting direction may result in malfunction.
- For better ventilation and cooling, allow sufficient clearance between the touch panel and the adjacent objects or walls, or overheating may result in machine malfunction.
- This product should be used on Type 4X enclosures constructed for indoor use.
- The maximum panel thickness for mounting must be no greater than 6 mm (0.2 inches).

Installation diagrams:

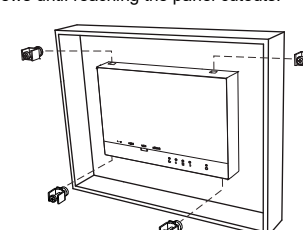
Step 1:
Apply the waterproof gasket to the touch panel and then insert the touch panel into the panel cutout.



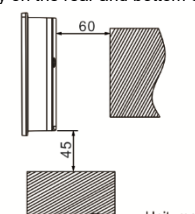
Step 3:
Tighten the screws with the torque of 0.5 N-m or 0.7 N-m. Do not apply a torque greater than the specified torque, or the case will be damaged.



Step 2:
Place the fasteners into the slots and tighten the screws until reaching the panel cutouts.



Step 4:
For heat dissipation, keep a minimum clearance of 60 mm (2.36 inches) and 45 mm (1.77 inches) respectively on the rear and bottom of the touch panel.



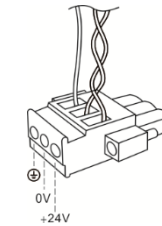
Unit: mm

Wiring:

Type	Wire gauge (AWG)	Stripped length	Torque
Solid	24 - 12	7 - 8 mm (0.28 - 0.31 inches)	5 kg-cm (4.3 lb-in)
Stranded	24 - 12	7 - 8 mm (0.28 - 0.31 inches)	5 kg-cm (4.3 lb-in)



Refer to the following diagram for wiring the power connector. The temperature rating of the cable must be greater than 75°C (167°F).



(6) Hardware specifications

Model	NC-MOT-10SRTE	NC-MOT-15SRTE
Panel type	10" TFT LCD	15" TFT LCD
Resolution	1024 x 768 pixels	
Backlight	LED backlight (half-life under room temperature 25°C > 50,000 hours) ⁻¹	
Display range	245.76 mm x 184.32 mm	304.1 mm x 228.1 mm
Brightness	500 cd/m ² (Typ.)	300 cd/m ² (Typ.)
Touchscreen	4-wire resistive touchscreen	
Supported serial port	HDMI / VGA	
Contrast	1000 : 1 (Typ.) (Transmission)	2500 : 1 (Typ.) (Transmission)
Color	262k / 16.2 m 55% (CIE1931)	262k / 16.7 m 72% (CIE1931)
Signal connector	30-pin LVDS (1 ch, 6/8-bit)	20-pin LVDS (1 ch, 6/8-bit)
USB	1 USB Slave	
Cooling	Natural cooling	
Certification	CE / UL ²	
Waterproof	IP65 / NEMA4 ⁻²	
Operation voltage	DC +24V (-15% to +15%) (please use an isolated power supply) ⁻³ (Use Class 2 or SELV power supply, isolated from MAINS by double insulation)	
Power consumption	6.75 W (Max.) ⁻⁴	15 W (Max.) ⁻⁴
Operating temperature	0 to 50°C (32 to 122°F)	0 to 50°C (32 to 122°F)
Storage temperature	-20 to 60°C (-4 to 140°F)	-20 to 60°C (-4 to 140°F)
Dimensions (W) x (H) x (D) mm	299 x 224 x 46.3	387.7 x 295.7 x 49.4
Mounting dimensions (W) x (H) mm	285.2 x 210.2	372.4 x 283.7
Weight	Approx. 2400 g	Approx. 4000 g

Note:

1. The half-life of backlight is defined as maximum luminance being reduced by 50% when the maximum drive current is supplied to the touch panel.
2. The life of LED backlight specified here is estimated at room temperature of 25°C (77°F) with ambient humidity.
3. Certifications for part of the models are in application. Contact the local distributors for more details.
4. Isolated power supply is recommended.
5. Touch panel power consumption is the power consumed when the touch panel is not connecting with other peripheral devices. To ensure normal operation of the touch panel, the recommended capacity of the power supply is 1.5 to 2 times of the specified power consumption.