



This document provides simplified installation instructions and specifications. For complete installation and safety information download the CM5-USER-M User Manual at www.automationdirect.com/static/manuals/index.html

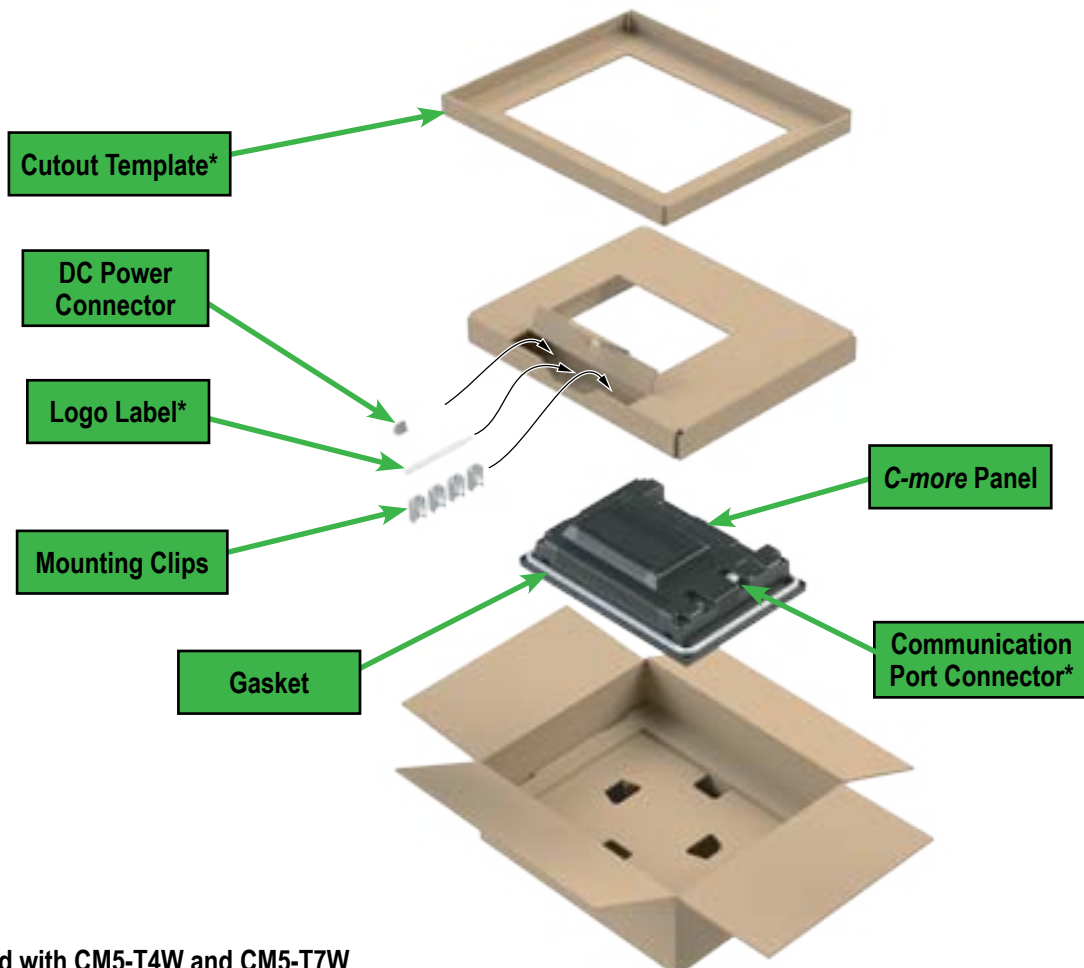


NOTE: Please read this Quick Start Guide in it's entirety before installing a C-more panel.



1 Unpack and Inspect

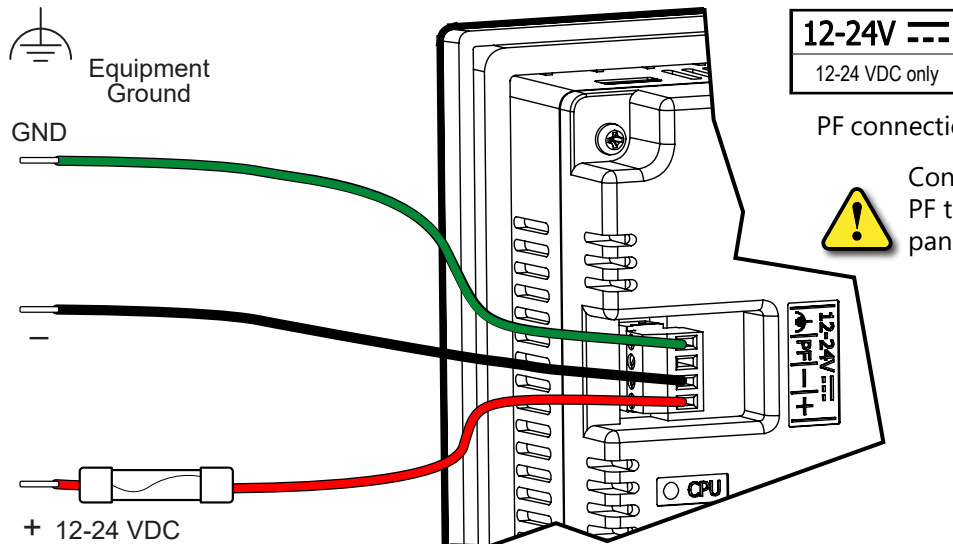
Inspect all equipment for completeness. If anything is missing or damaged, immediately call the **AutomationDirect®** returns department @ 1-800-633-0405.



*Not included with CM5-T4W and CM5-T7W

2 Provide Power to *C-more* Panel

Wire a **dedicated 12-24 VDC** power source to the DC connector on the rear of the **C-more** touch panel, include wiring the ground terminal to a proper equipment ground. The recommended power supply is AutomationDirect p/n: PSL-24-060. After power has been applied, check the LED status indicators on the front and rear of the **C-more** touch panel for proper indication.



Recommended DC Supply Fuse		
Panel Size	Rating	ADC p/n
4" - 10"	2.5 A	MDL2-5
12" - 22"	5.0 A	MDL5

DC-CON Tightening Torque	
Power connector screw torque	35.4 oz-in (0.25 Nm)

CPU Status LED (Green, Orange & Red)	
Off	Power Off
Green	Normal - CPU Run State
Red	Memory Error
Blinking Orange	OS Error
Blinking Green	Power Loss Detection

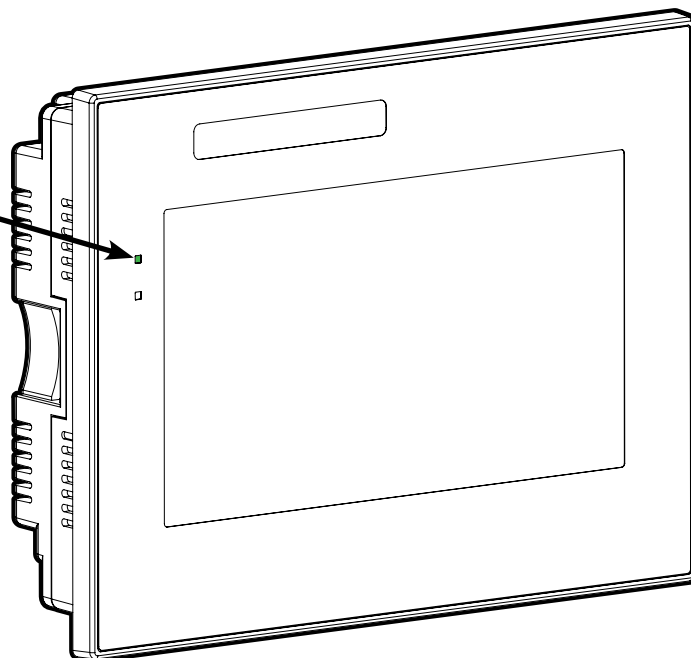
Use 60 / 75°C copper conductors only, 16 - 24 AWG
Strip length - 7mm [0.28"]

Refer to QR code for product handling

Power LED

Power LED (Front of Panel)		
Color	On	Off
Green	Power On	Power Error

CM5-T4W does not have Power or User Defined LEDs



Specifications

Model Specification	CM5-T4W	CM5-T7W	CM5-T10W	CM5-T12W	CM5-T15W	CM5-T22W
Power Consumption	Max. 8 W 0.67 A @12VDC 0.33 A @24VDC	Max. 10W 0.83 A @12VDC 0.42 A @24VDC	Max. 21 W 1.75 A @12VDC 0.88 A @24VDC	Max. 35 W 2.92 A @12VDC 1.46 A @24VDC		Max. 40 W 3.33 A @12VDC 1.67 A @24VDC
Internal Fuse (non-replaceable)	4.0 A		12.0 A			
Altitude	Up to 2000m (6562ft)					
Operating Temperature	0 to 50°C (32 to 122°F) Maximum surrounding air temperature rating: 50°C (122°F) IEC 60068-2-14 (Test Nb, Thermal Shock)					
Storage Temperature	-20 to +60°C (-4 to +140°F) IEC 60068-2-1 (Test Ab, Cold) IEC 60068-2-2 (Test Bb, Dry Heat) IEC 60068-2-14 (Test Na, Thermal Shock)					
Humidity	5-95% RH (non-condensing)					
Environment	For use in Pollution Degree 2 environment, no corrosive gases permitted					
Noise Immunity	(EN61131-2) EN61000-4-2 (ESD), EN61000-4-3 (RFI) EN61000-4-4 (FTB) EN61000-4-5 (Surge) EN61000-4-6 (Conducted) EN61000-4-8 (Power frequency magnetic field immunity)					
Withstand Voltage	(Local Test) RFI, (145MHz, 440Mhz 10W @ 10cm) Impulse 1000V @ 1µs pulse					
Insulation Resistance	1000VAC, 1min. (FG to Power supply)					
Vibration	> 10M ohm @ 500VDC (FG to Power supply)					
Shock	IEC60068-2-6 (Test Fc)					
Emission	IEC60068-2-27 (Test Ea)					
Enclosure	EN55011 Class A (Radiated RF emission)					
Agency Approvals	NEMA 250 type 4/4X indoor use only UL50 type 4X indoor use only IP-65 (not tested by UL) (When mounted correctly)					
	UL61010, E157382 CE (EN61131-2), RoHS (2011/65/EU) and amendment (EU)2015 / 863 CUL Canadian C22.2					

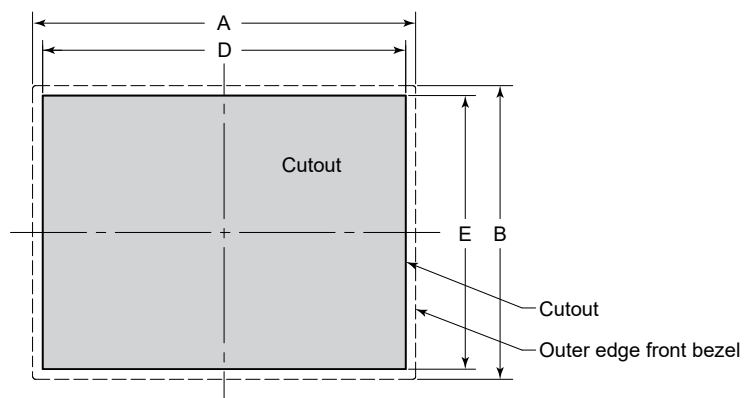


NOTES: 1. The display screen should be cleaned periodically by wiping it with a lint free damp cloth using a mild soap solution. Use a dry or slightly dampened cloth to wipe any dirt from the labels on the back of the panel. Dry all surfaces with a lint free cloth. Do not clean with ammonia based products which are solvents and will damage the face of the panel and the labels

2. The touchscreen is designed to respond to a single touch. If it is touched at multiple points at the same time, an unexpected object may be activated.

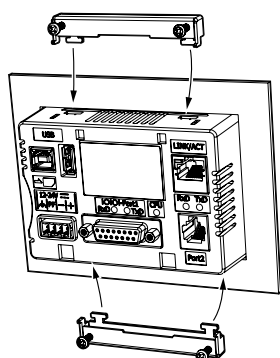
UL Satisfaction Ratings	
Model Number	Input Ratings
CM5-T4W	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 8.0 W
CM5-T7W	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 10.0 W
CM5-T10W	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 21.0 W
CM5-T12W	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 35.0 W
CM5-T15W	
CM5-T22W	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 40.0W
Terminal connecting wire size 16 - 24 AWG	
Connecting torque 35 oz-in (2.2 lbf-in) (0.25 Nm)	
Maximum surrounding air temperature rating, 50°C	
For use in Pollution Degree 2 environment	
All interface ports are intended to be directly connected to an isolated secondary circuit	
For use on a flat surface of a type 4X Indoor Use Only enclosure	
 - Refer to QR Code for link for product handling - Use copper conductor only 16 - 24 AWG Strip length - 7mm [0.28"]	

C-more Panel Mounting

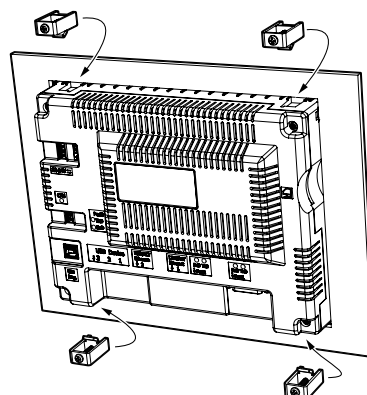


Clearance information – The mounting clearances when installing the touch panel in an enclosure or cabinet shall be minimum of 4 inches from the top, bottom and sides and 1.72 inches from the rear.

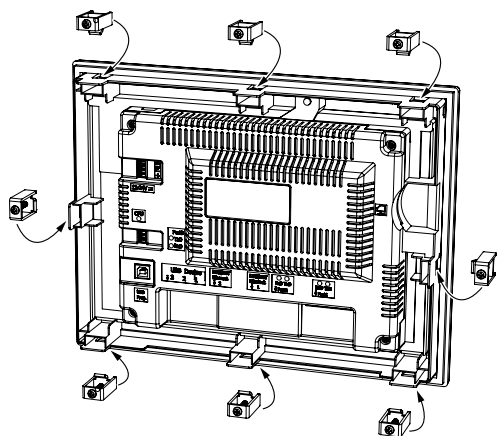
Cutout Dimensions - inches [mm]				
Model Number	A	B	D	E
CM5-T4W	4.76 [120.9]	3.48 [88.3]	4.02 [102.1]	2.76 [70.1]
CM5-T7W	8.08 [205.2]	6.13 [155.8]	7.46 [189.5]	5.51 [140.0]
CM5-T10W	10.55 [268.0]	7.71 [195.9]	9.25 [235.0]	7.07 [179.6]
CM5-T12W	12.55 [318.8]	9.56 [242.9]	11.91 [302.5]	8.92 [226.6]
CM5-T15W	16.05 [407.7]	11.08 [281.5]	15.40 [391.9]	10.47 [265.9]
CM5-T22W	21.34 [542.0]	14.17 [360.0]	20.74 [526.8]	13.57 [344.7]



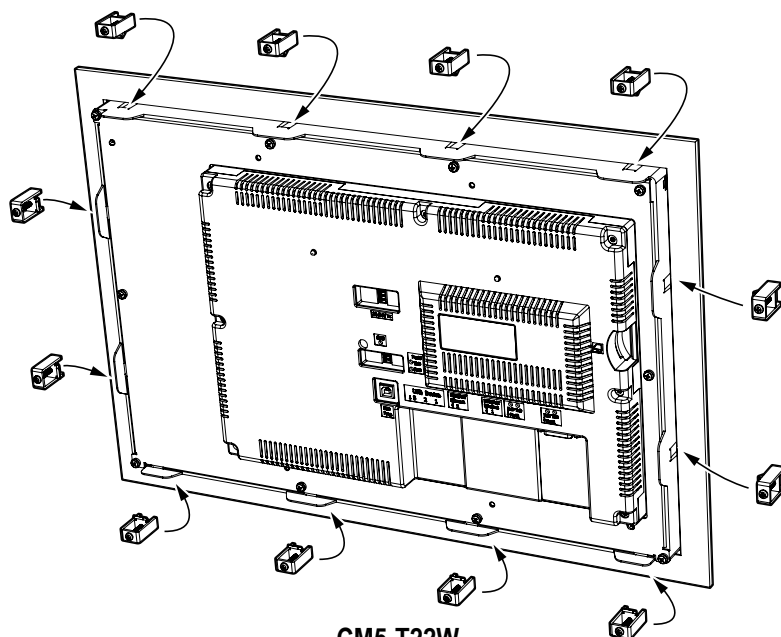
CM5-T4W



CM5-T7W and
CM5-T10W



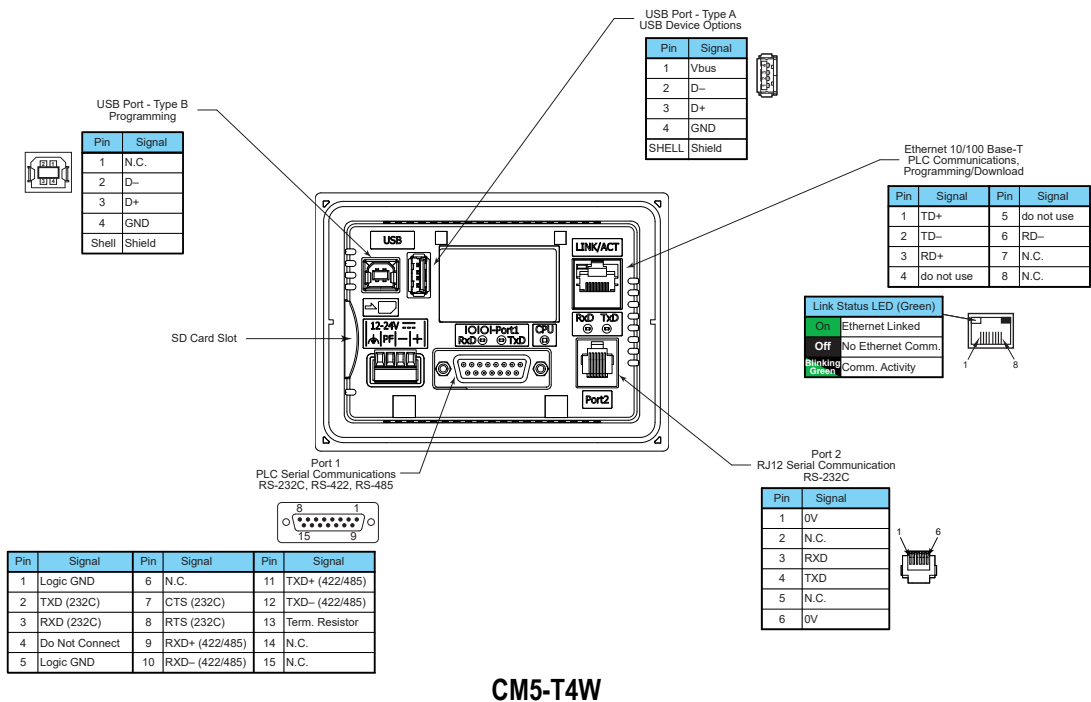
CM5-T12W and
CM5-T15W



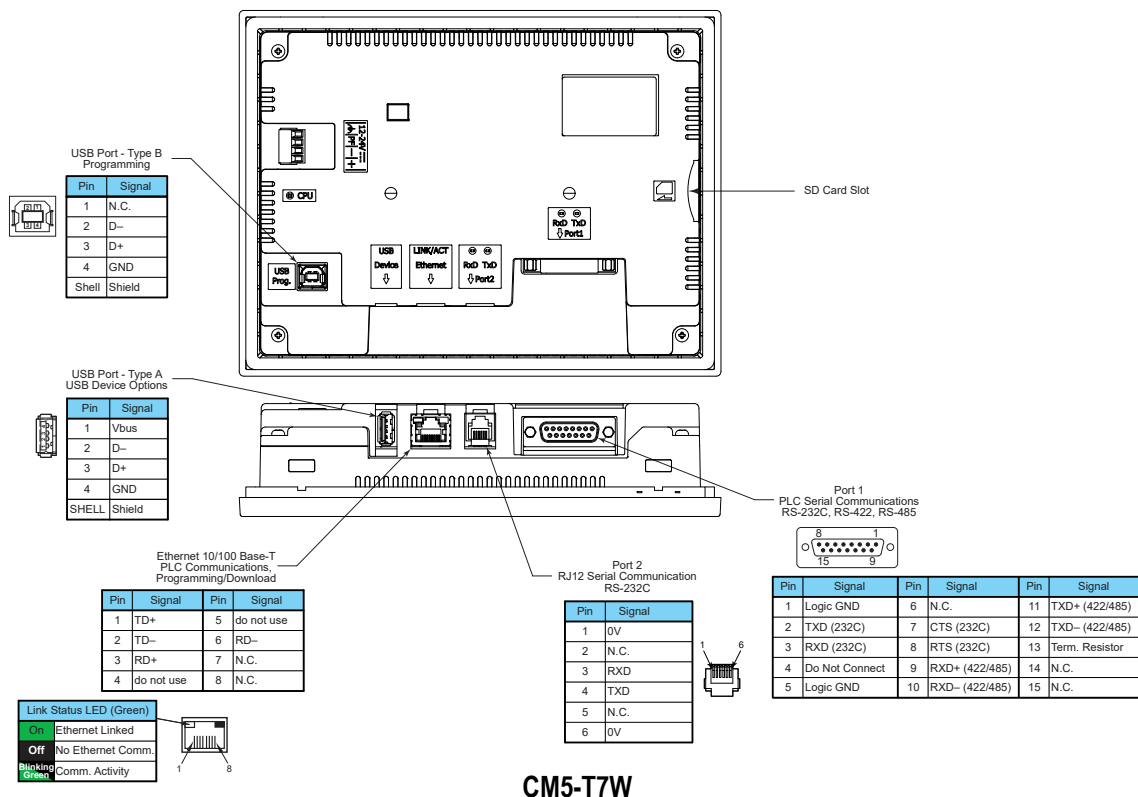
CM5-T22W

Touch Panel Size	Enclosure Thickness Range	Mounting Brackets Part Number	Mounting Clip Screw Torque	Material
4-inch	0.039 - 0.20 inch [1 - 5 mm]	HMI-BRK-1	21 - 28 oz-in [0.15 - 0.20 Nm]	Metal
7-inch through 22-inch		HMI-BRK-2	135 - 149 oz-in [0.95 - 1.05 Nm]	

C-more Communication Connections

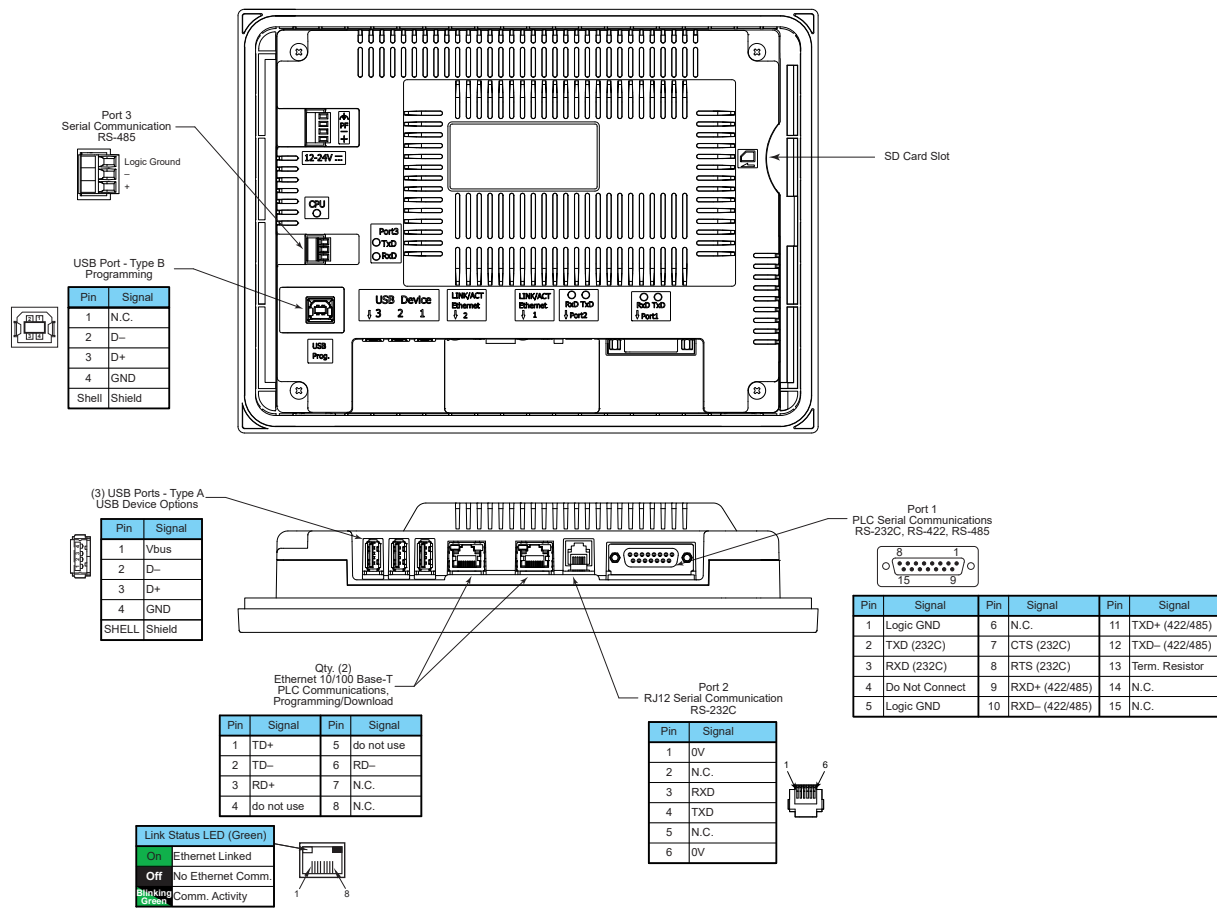


CM5-T4W



CM5-T7W

C-more Communication Connections



CM5-T10W, CM5-T12W, CM5-T15W, CM5-T22W

Safety Information

WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call technical support at 1-800-633-0405 or 770-844-4200.

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