



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](http://www.automationdirect.com/static/manuals/index.html)

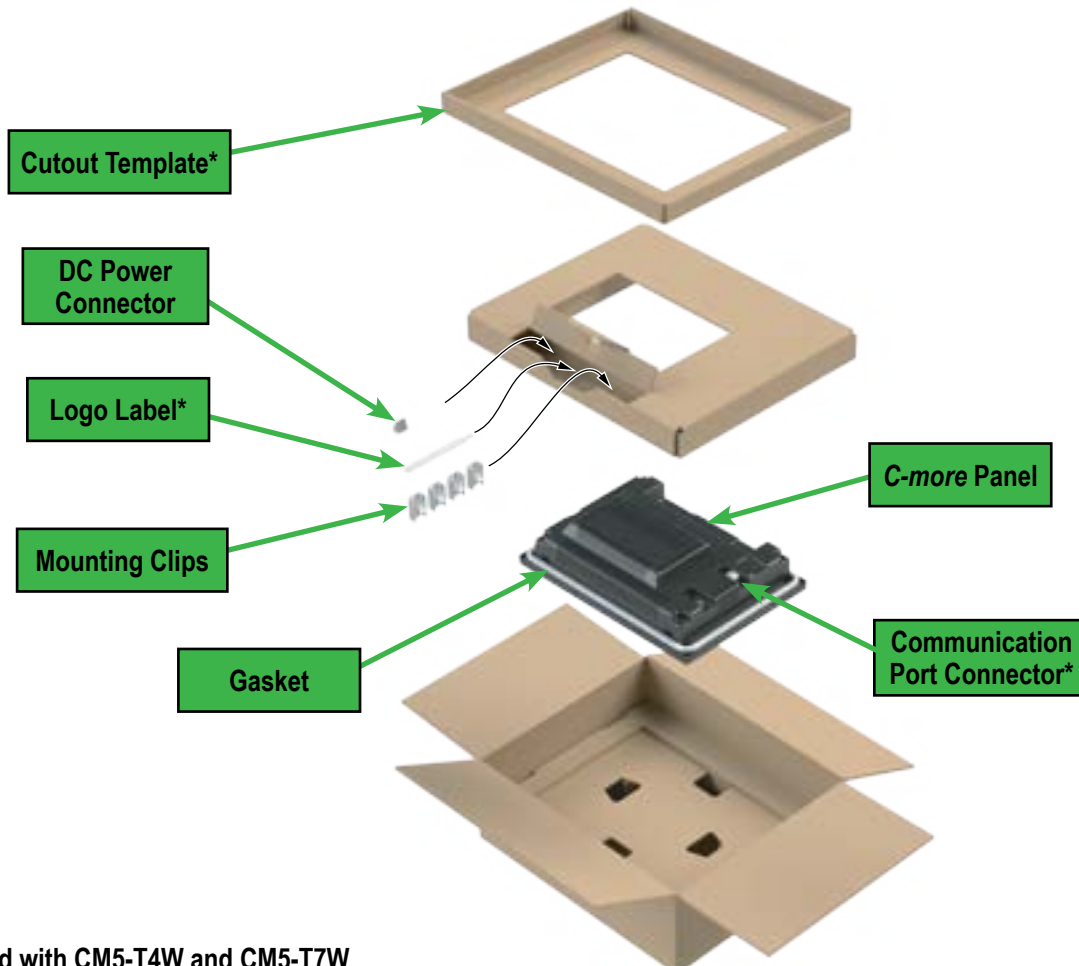


**NOTE:** Please read this Quick Start Guide in it's entirety before installing a C-more panel.



### 1 Unpack and Inspect

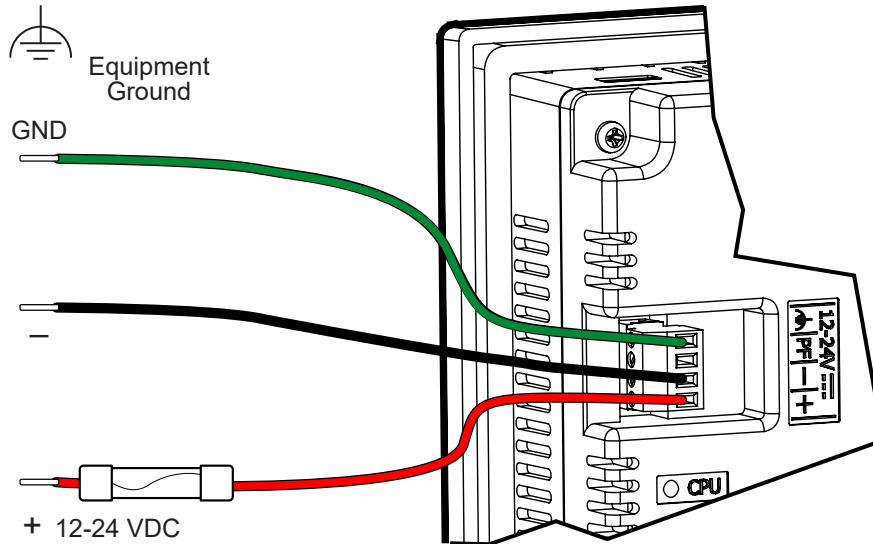
Inspect all equipment for completeness. If anything is missing or damaged, immediately call the **AutomationDirect®** returns department @ 1-800-633-0405.



\*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.



**12-24V**

12-24 VDC only

PF connection is for future use.

### DC-CON Tightening Torque

Power connector screw torque 35.4 oz-in (0.25 Nm)

### Recommended DC Supply Fuse

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

### CPU Status LED (Green, Orange & Red)

<b>Off</b>	Power Off
<b>Green</b>	Normal - CPU Run State
<b>Red</b>	Memory Error
<b>Blinking Orange</b>	OS Error
<b>Blinking Green</b>	Power Loss Detection

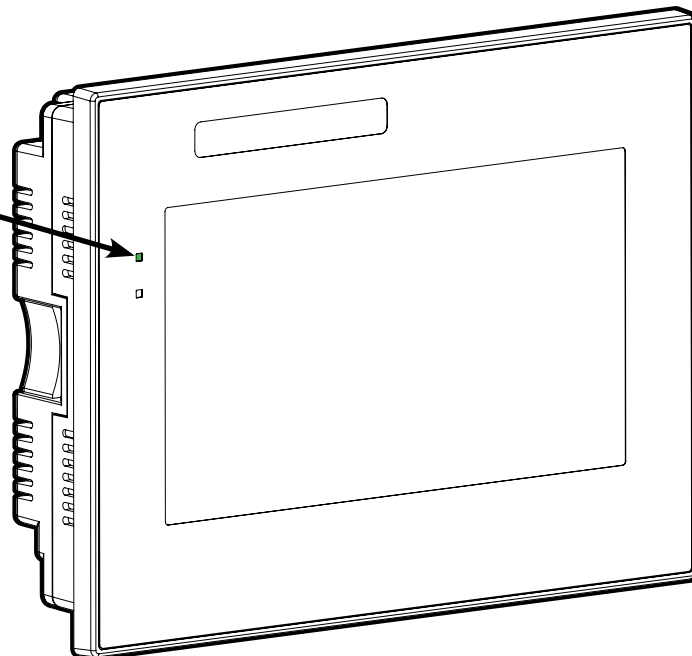


Use 60 / 75°C copper conductors only, 16 - 24 AWG  
Strip length - 7mm [0.28"]



Refer to QR code for product handling

Power LED



### Power LED (Front of Panel)

Color	On	Off
<b>Green</b>	Power On	Power Error




CM5-T4W does not have Power or User Defined LEDs

## Specifications

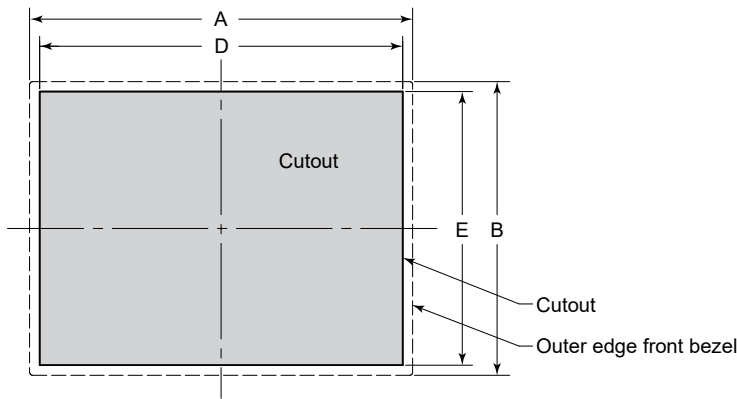
Specification	Model	CM5-T4W	CM5-T7W	CM5-T10W	CM5-T12W	CM5-T15W	CM5-T22W
<b>Power Consumption</b>		Max. 8 W 0.67 A @12VDC 0.33 A @24VDC	Max. 10W 0.83 A @12VDC 0.42 A @24VDC	Max. 21 W 1.75 A @12VDC 0.88 A @24VDC		Max. 35 W 2.92 A @12VDC 1.46 A @24VDC	Max. 40 W 3.33 A @12VDC 1.67 A @24VDC
<b>Internal Fuse (non-replaceable)</b>		4.0 A			12.0 A		
<b>Altitude</b>		Up to 2000m (6562ft)					
<b>Operating Temperature</b>		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)					
<b>Storage Temperature</b>		-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)					
<b>Humidity</b>		5-95% RH (non-condensing)					
<b>Environment</b>		For use in Pollution Degree 2 environment, no corrosive gases permitted					
<b>Noise Immunity</b>		(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)  (Local Test) RFI, (145MHz, 440Mhz 10W @ 10cm) Impulse 1000V @ 1µs pulse					
<b>Withstand Voltage</b>		1000VAC, 1min. (FG to Power supply )					
<b>Insulation Resistance</b>		> 10M ohm @ 500VDC (FG to Power supply )					
<b>Vibration</b>		IEC60068-2-6 (Test Fc)					
<b>Shock</b>		IEC60068-2-27 (Test Ea)					
<b>Emission</b>		EN55011 Class A (Radiated RF emission)					
<b>Enclosure</b>		NEMA 250 type 4/4X indoor use only UL50 type 4X indoor use only IP-65 (not tested by UL) (When mounted correctly)					
<b>Agency Approvals</b>		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.

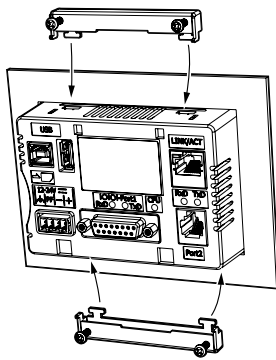
UL Satisfaction Ratings	
Model Number	Input Ratings
<b>CM5-T4W</b>	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 8.0 W
<b>CM5-T7W</b>	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 10.0 W
<b>CM5-T10W</b>	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 21.0 W
<b>CM5-T12W</b>	10.2 - 26.4 VDC, Class 2, SELV / LIM, Maximum 35.0 W
<b>CM5-T15W</b>	
<b>CM5-T22W</b>	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	
 <ul style="list-style-type: none"> <li>Refer to QR Code for link for product handling</li> <li>Use copper conductor only</li> <li>16 - 24 AWG Strip length - 7mm [0.28"]</li> </ul>	

# C-more Panel Mounting

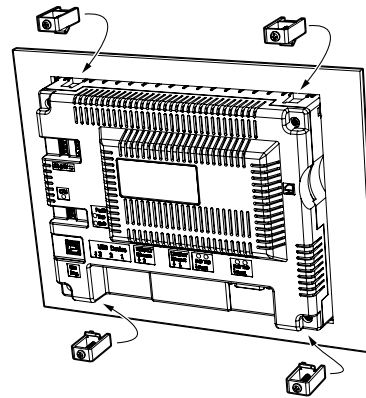


Cutout Dimensions - inches [mm]				
Model Number	A	B	D	E
<b>CM5-T4W</b>	4.76 [120.9]	3.48 [88.3]	4.02 [102.1]	2.76 [70.1]
<b>CM5-T7W</b>	8.08 [205.2]	6.13 [155.8]	7.46 [189.5]	5.51 [140.0]
<b>CM5-T10W</b>	10.55 [268.0]	7.71 [195.9]	9.25 [235.0]	7.07 [179.6]
<b>CM5-T12W</b>	12.55 [318.8]	9.56 [242.9]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

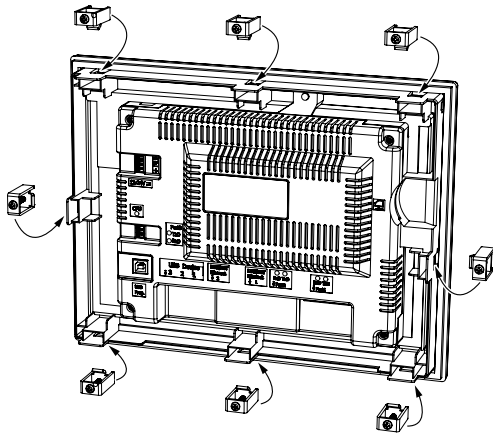
**Clearance information** – The mounting clearances when installing the touch panel in an enclosure or cabinet shall be minimum of 4 inches from the top, bottom and sides and 1.72 inches from the rear.



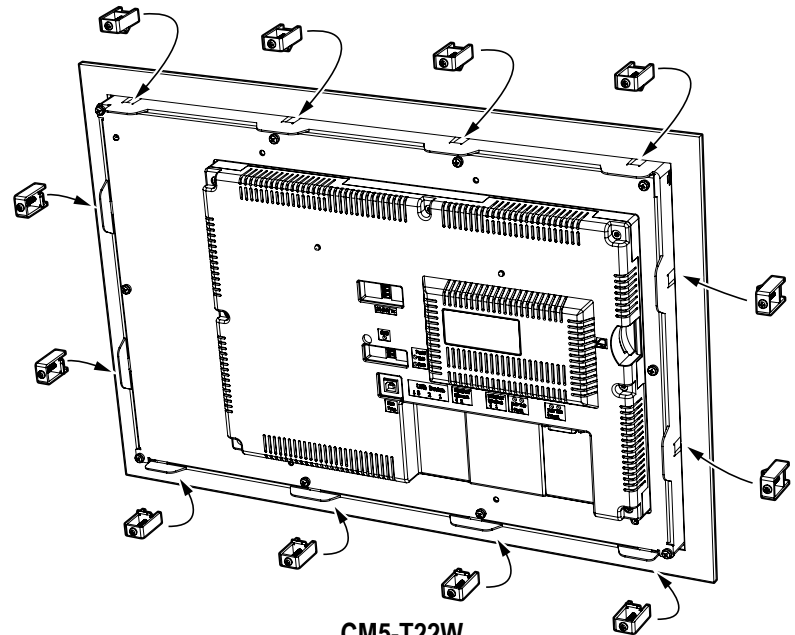
**CM5-T4W**



**CM5-T7W and  
CM5-T10W**



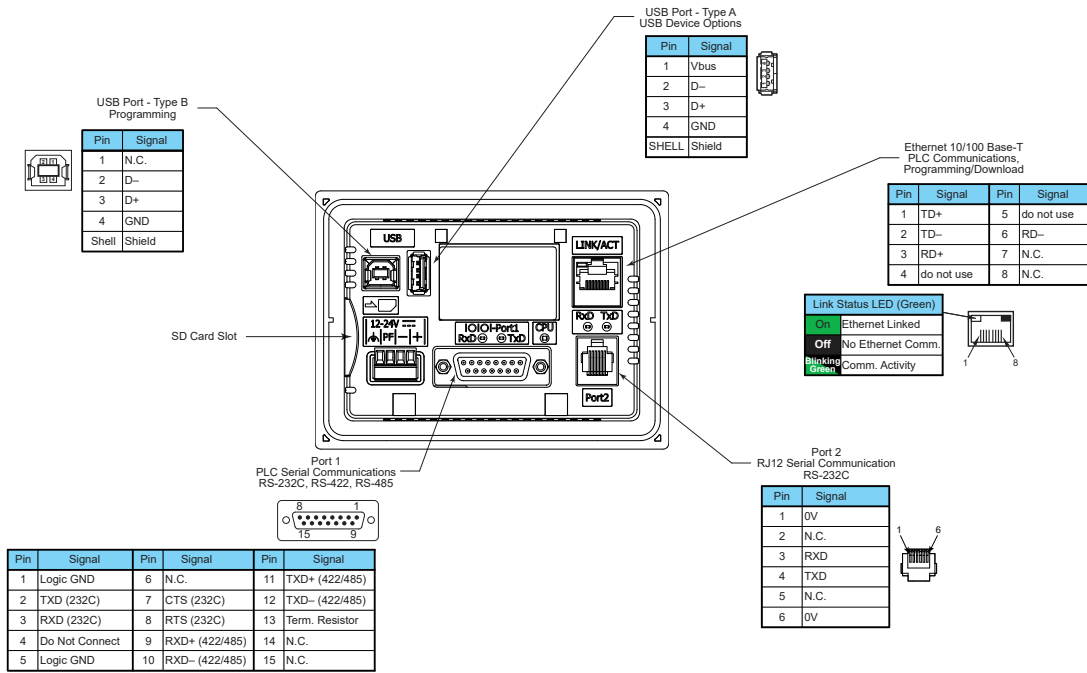
**CM5-T12W and  
CM5-T15W**



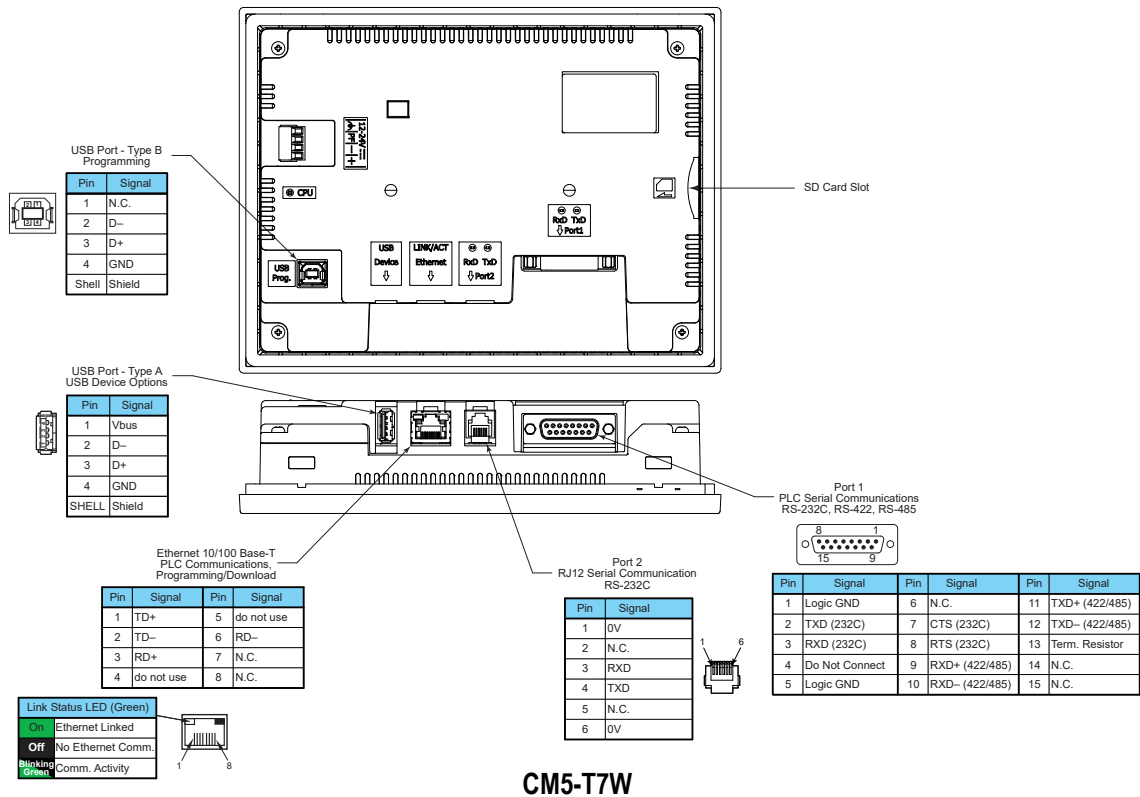
**CM5-T22W**

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

# C-more Communication Connections

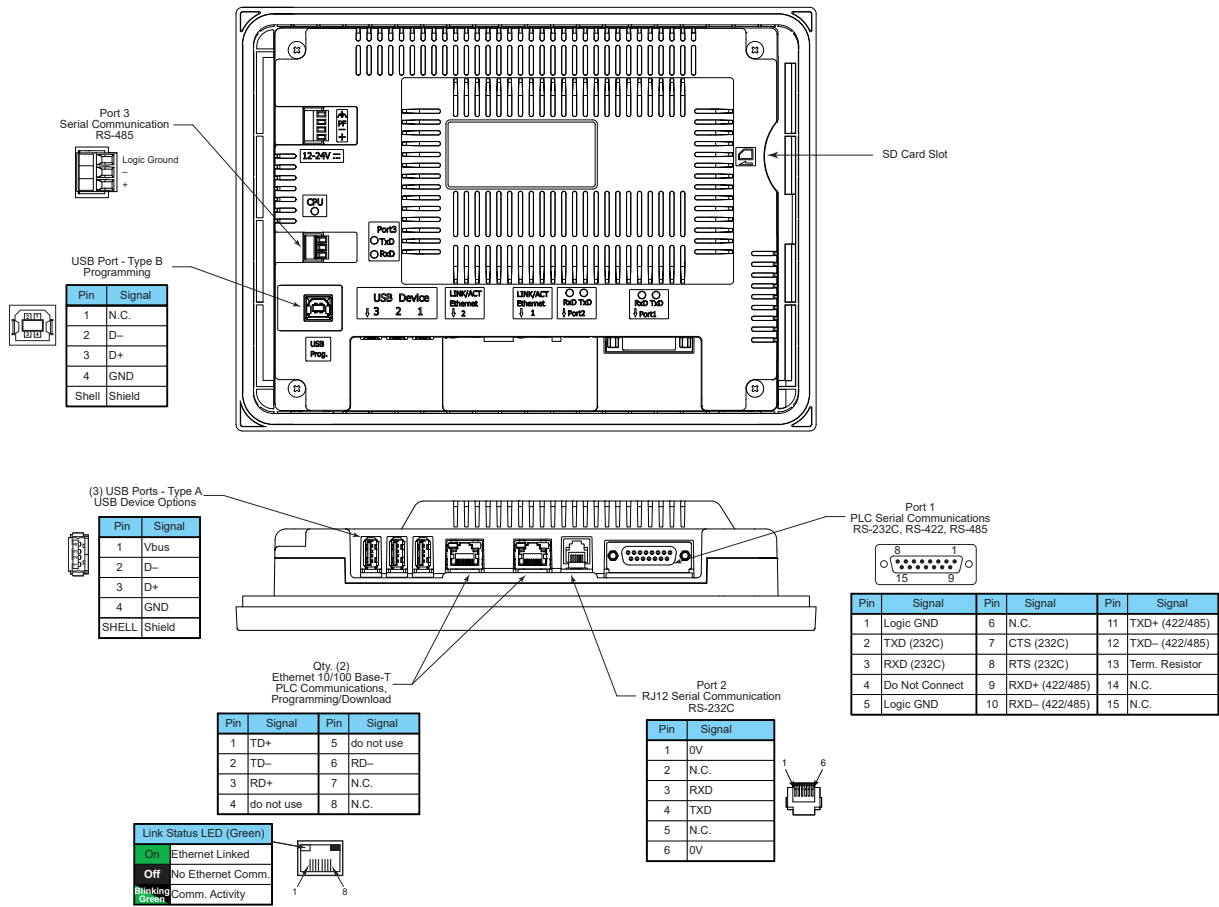


**CM5-T4W**



**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.

This publication is based on information available at the time it was printed. At **AutomationDirect.com**<sup>®</sup> we constantly strive to improve our products and services, so we reserve the right to make changes to the products and/or publications at any time without notice and without obligation. This publication may also discuss features that may not be available in certain revisions of the product.

**ADVERTISSEMENT:** Afin de réduire au minimum le risque d'éventuels problèmes de sécurité, vous devez respecter tous les codes locaux et nationaux applicables régissant l'installation et le fonctionnement de votre équipement. Ces codes diffèrent d'une région à l'autre et, habituellement, évoluent au fil du temps. Il vous incombe de déterminer les codes à respecter et de vous assurer que l'équipement, l'installation et le fonctionnement sont conformes aux exigences de la version la plus récente de ces codes.

*L'omission de respecter la totalité des codes et des normes applicables peut entraîner des dommages à l'équipement ou causer de graves blessures au personnel. Nous ne garantissons pas que les produits décrits dans cette publication conviennent à votre application particulière et nous n'assumons aucune responsabilité à l'égard de la conception, de l'installation ou du fonctionnement de votre produit.*

Si vous avez des questions au sujet de l'installation ou du fonctionnement de cet équipement, ou encore si vous avez besoin de renseignements supplémentaires, n'hésitez pas à nous téléphoner au 770-844-4200.

Cette publication s'appuie sur l'information qui était disponible au moment de l'impression. À la société AutomationDirect, nous nous efforçons constamment d'améliorer nos produits et services. C'est pourquoi nous nous réservons le droit d'apporter des modifications aux produits ou aux publications en tout temps, sans préavis ni quelque obligation que ce soit. La présente publication peut aussi porter sur des caractéristiques susceptibles de ne pas être offertes dans certaines versions révisées du produit.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.