

C-more Accessories

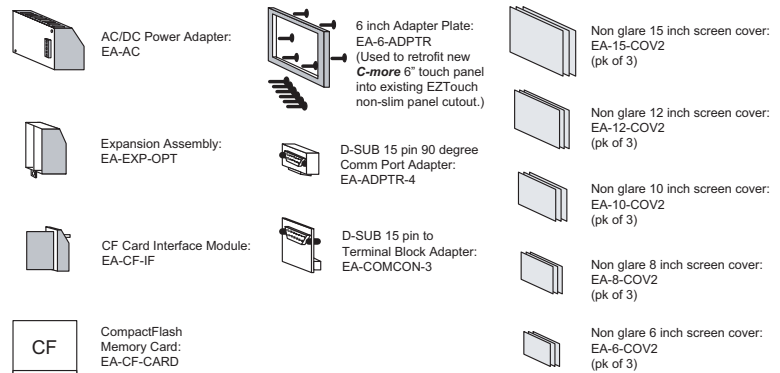
For new applications choose EA9 series C-more panels, part numbers EA9-TxCL(-R).

Accessories

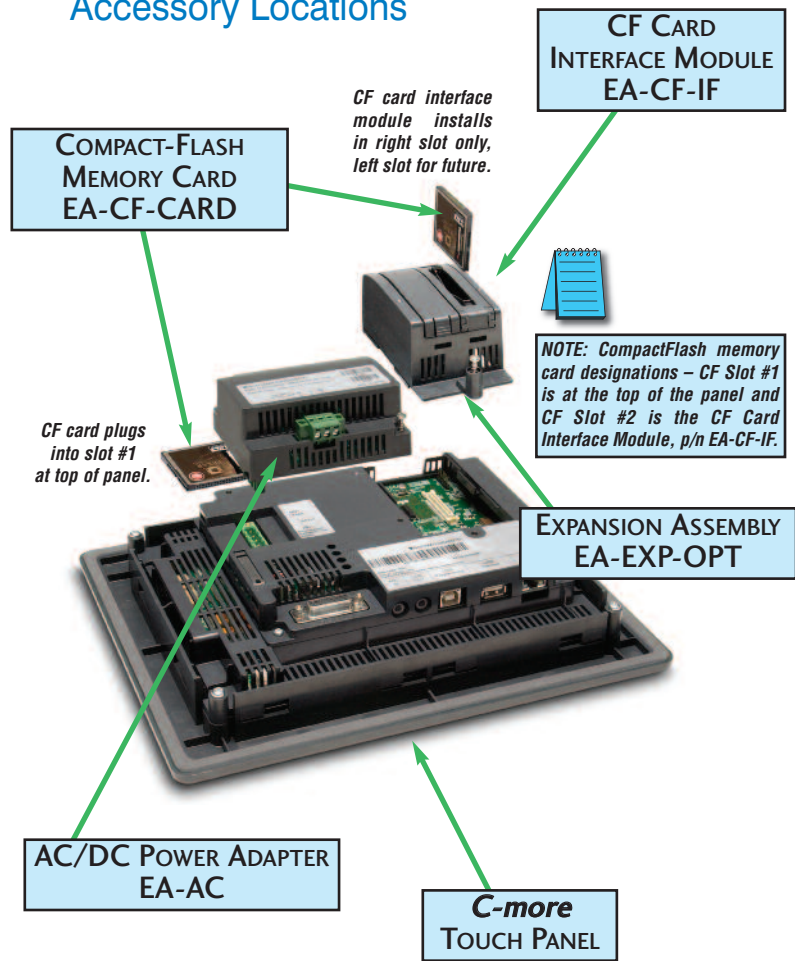
The C-more touch panels can be enhanced with the accessories below:

Part Number	Description	Price
EA-AC	The AC/DC Power Adapter, EA-AC, is for C-more touch panels only, and is powered from a 100-240 VAC, 50/60 Hertz power source. The adapter provides 24 VDC @ 1.5 A. Power Fault features help protect data being logged to CompactFlash during power failures. The C-more panel must have firmware version 1.21 Build 6.18E or higher for proper operation.	<--->
EA-EXP-OPT	C-more I/O Module Expansion Assembly, used to hold secondary CompactFlash Adapter (EA-CF-IF) and future option modules	<--->
EA-CF-IF	CompactFlash Card Adapter Module, used when adding secondary CompactFlash option to Expansion Assembly. Compatible with EA-CF-CARD Compact-Flash memory card accessory.	<--->
EA-CF-CARD	512 MB CompactFlash Memory Option, industrial grade, high speed memory for non-volatile storage.	<--->
EA-6-ADPTR	6-inch mounting adapter plate, REQUIRED to mount a 6 inch C-more touch panel into enclosures with legacy wide-bezel EZTouch cutouts. Converts a 8.932 inch x 6.223 inch cutout to 7.522 inch x 5.625 inch cutout.	<--->
EA-ADPTR-4	D-SUB 15-pin 90 degree PLC serial communication port adapter (allows a PLC communication cable to be plugged in at a 90 degree angle to reduce panel depth requirements)	<--->
EA-COMCON-3	D-SUB 15-pin to 6-terminal PLC serial communication port adapter to allow wire terminal connections for RS-422/485 PLC communication cable. For use with all EA7 series panels, EA9-T6CL panels and C-more Micro-Graphic 4" and 6" panels.	<--->
EA-6-COV2	Non Glare 6 Inch Screen Cover, protective overlay used to protect the touch screen while helping to reduce the glare from external light sources. (pk of 3)	<--->
EA-8-COV2	Non Glare 8 Inch Screen Cover, protective overlay used to protect the touch screen while helping to reduce the glare from external light sources. (pk of 3)	<--->
EA-10-COV2	Non Glare 10-Inch Screen Cover, protective overlay used to protect the touch screen while helping to reduce the glare from external light sources. (pk of 3)	<--->
EA-12-COV2	Non Glare 12-Inch Screen Cover, protective overlay used to protect the touch screen while helping to reduce the glare from external light sources. (pk of 3)	<--->
EA-15-COV2	Non Glare 15-Inch Screen Cover, protective overlay used to protect the touch screen while helping to reduce the glare from external light sources. (pk of 3)	<--->

Accessories at a glance:



Accessory Locations



NOTE: Refer to the individual product data sheets that are included with the accessories for additional information.

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AC/DC Power Adapter

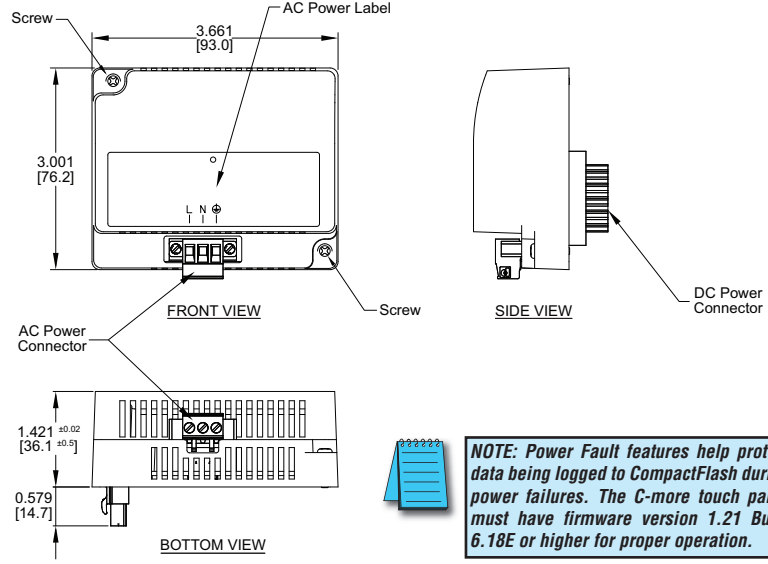
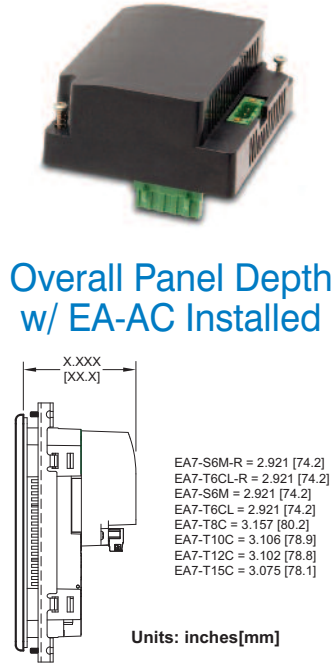
The AC/DC Power Adapter provides dedicated DC power to the panel if using 110 VAC as a power source. The AC/DC Power Adapter provides some features that a normal DC power supply cannot provide. The adapter provides a power loss signal to the touch panel that can be used to track power outages. This

signal also allows the touch panel by way of a timed sequence to stop writing data to CompactFlash memory devices providing a controlled shutdown for increased data logging reliability.

Part No. EA-AC

<--->

Dimensions



NOTE: Power Fault features help protect data being logged to CompactFlash during power failures. The C-more touch panel must have firmware version 1.21 Build 6.18E or higher for proper operation.

NOTE: The AC/DC Power Adapter is not recommended for use with the EA7-T15C touch panel when operating temperatures are expected to exceed 40 °C [104 °F].

AC/DC Power Adapter Specifications

Part Number	EA-AC	Static Electricity Discharge Resistance	Compliant with IEC61000-4-2, Contact: 4 kV, Air: 8 kV
Input Voltage & Frequency	100-240 VAC; 50/60 Hertz	Agency Approvals	UL508, cUL, CE, EMC EN61132-2
Voltage Range	85-264 VAC w/ Under Voltage and Over Voltage Shutdown	Environment	For use in pollution degree 2 environment
Permissible Momentary Power Failure	Within 40 ms	Grounding	Ground resistance: less than 100 ohm
Input Power	68 VA or less	Dimensions - inches [mm]	3.00" (H) x 3.66" (W) x 1.42" (D) (76.2 mm x 93.0 mm x 36.1 mm) (Excluding DC Power Connector.)
Operating Temperature Range	0 °C to 50 °C [32 to 122 °F] Maximum surrounding temperature rating, 50 °C (For the EA7-T15C touch panel, maximum temperature is 40 °C, [104 °F] when using the AC/DC Power Adapter.)	Weight	6.13 oz. [175 g]
Storage Temperature Range	-20 to 60 °C [-4 to 140 °F]	Cooling Method	Natural convection when installed on vertically mounted touch panel.
Operating & Storage Humidity	10-85% RH (non-condensing)	Included Parts	AC Power Connector, Data Sheet Insert
Noise Immunity	1000 VAC p-p (Pulse width: 1 µs, rise time: 1 ns), with proper ground connection on AC terminal block.	Removable AC Power Connector	EA-AC-CON or DECA Switchlab MC101-508-03G Secure with (2) captive M2.5 screws, torque to 70 oz-in [0.5 Nm]
Hi-Pot	1000 VAC, 1 minute, with proper ground connection on AC terminal block.	Output Voltage and Ripple	21.6 - 26.4 VDC, Ripple < 100 mV p-p
Insulation Resistance	500 VDC, 10 M ohm or above, with proper ground connection on AC terminal block.	Output Current	Maximum 1.5 A
Vibration	Compliant with IEC61131-2	Inrush Current	For 100 VAC: 15 A, 3 ms or less For 240 VAC: 20 A, 3 ms or less
Shock	Pulse shape: Sine half wave, Peak acceleration: 147 m/s ² (15 G), X, Y, Z: 3 directions, 2 times each	Power Fail Detection Voltage	58 VAC ±5%
Thermal Protection	140 °C [284 °F], with autorecovery	Mounting to Touch Panel	Secure with (2) spring loaded captive M3-20 screws, torque to 50 oz-in [0.35 Nm]
Short Circuit Protection	85 VAC: 2.6 A, 100 VAC: 2.8 A, 264 VAC: 3.9 A		

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Expansion Assembly

The **C-more** Expansion Assembly allows installation of the optional CF Card Interface Module (shown below) for CF card use. Although the full featured models have a built-in CompactFlash slot, some users may require additional CF memory for data logging.

The optional Expansion Assembly can be installed on the rear of all but the 6-inch base models. This attachable assembly currently allows installation of an additional CompactFlash card with the use of the CF Card Interface Module.

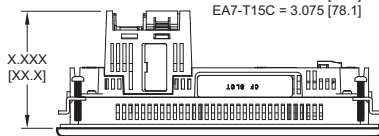
Part No. EA-EXP-OPT



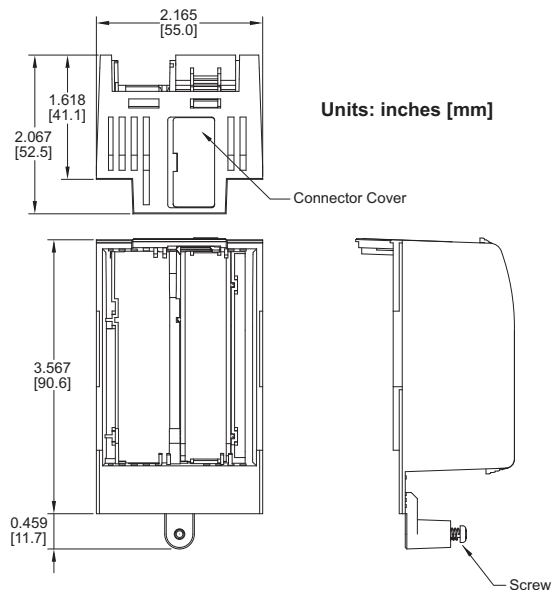
Overall Panel Depth w/ EA-EXP-OPT Installed

EA7-S6M = 2.921 [74.2]
EA7-T6CL = 2.921 [74.2]
EA7-T8C = 3.157 [80.2]
EA7-T10C = 3.106 [78.9]
EA7-T12C = 3.102 [78.8]
EA7-T15C = 3.075 [78.1]

Units: inches[mm]



Dimensions



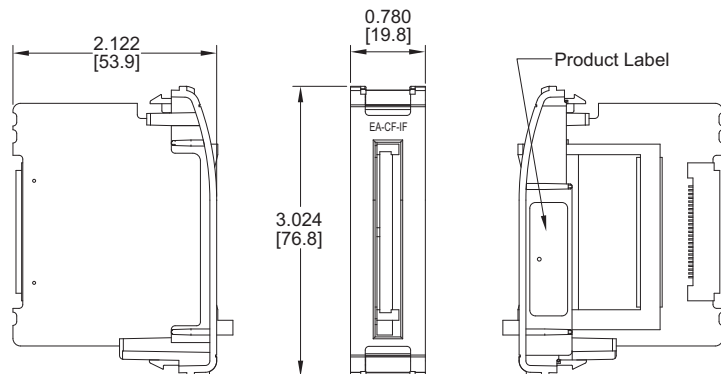
CF Card Interface Module

The **C-more** CF Card Interface Module is used with the Expansion Assembly to allow use of standard CompactFlash cards, such as the CompactFlash Memory (EA-CF-CARD). The CF card can be used for data logging or as project backup.

Part No. EA-CF-IF



Dimensions



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512 MB CompactFlash Memory Card

EA-CF-CARD is a 512 MB high speed industrial grade CompactFlash memory card for non-volatile storage. Its 85 °C operating temperature makes it perfect for data logging in industrial applications (recommended for **C-more** touch panels). This is a standard "off the shelf" CompactFlash.

**Part No.
EA-CF-CARD**



<--->

Specifications/Features:

- CompactFlash™ Compatibility
- W/E Endurance 100,000 cycles
- Data transfer rate: 16 MB/second
- Operating Temp: -13 to 185°F (-25 to 85°C)
- Operating Humidity 85% max, non-condensing
- Storage Temp: -13 to 194 °F (-25 to 90°C)
- Storage Humidity 95% max, non-condensing

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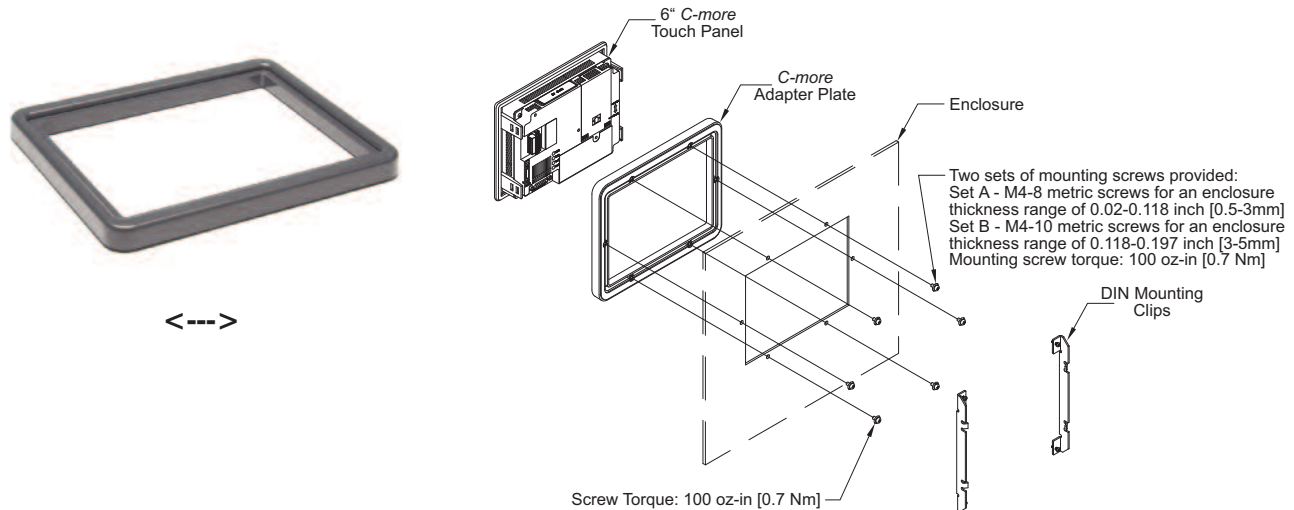
6" Adapter Plate

The adapter plate simplifies the retrofit of a new **C-more** 6" touch panel into an existing cabinet cutout for an EZTouch (units sold by AutomationDirect) 6" wide bezel touch panel, such as our part number EZ-S6C-K, EZ-S6C-F, EZ-S6M-R or EZ-S6M-F.

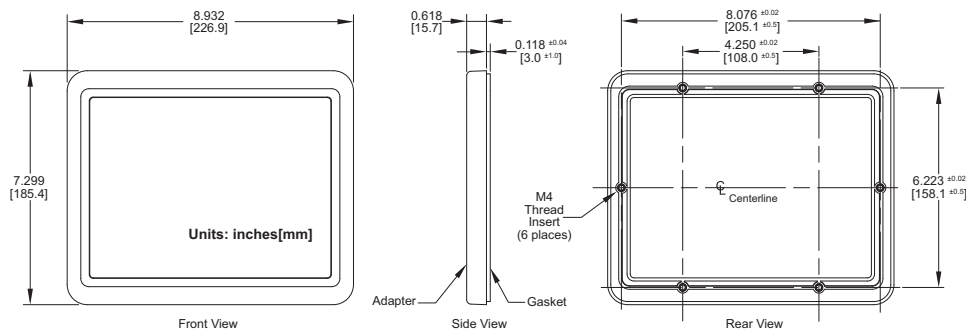
A NEMA 4/4X gasket is included. Please note that all sizes of the **C-more** touch panels have the same cutout as similarly sized EZTouch thin bezel (slim) touch panels, allowing quick replacement.

Part No. EA-6-ADPTR

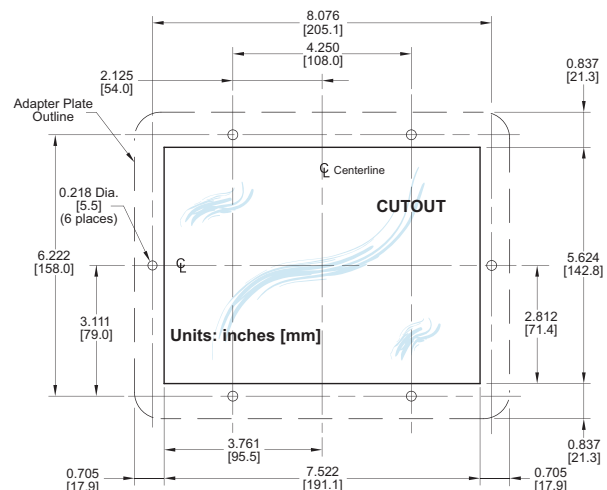
Mounting Details



Dimensions



Cutout Dimensions



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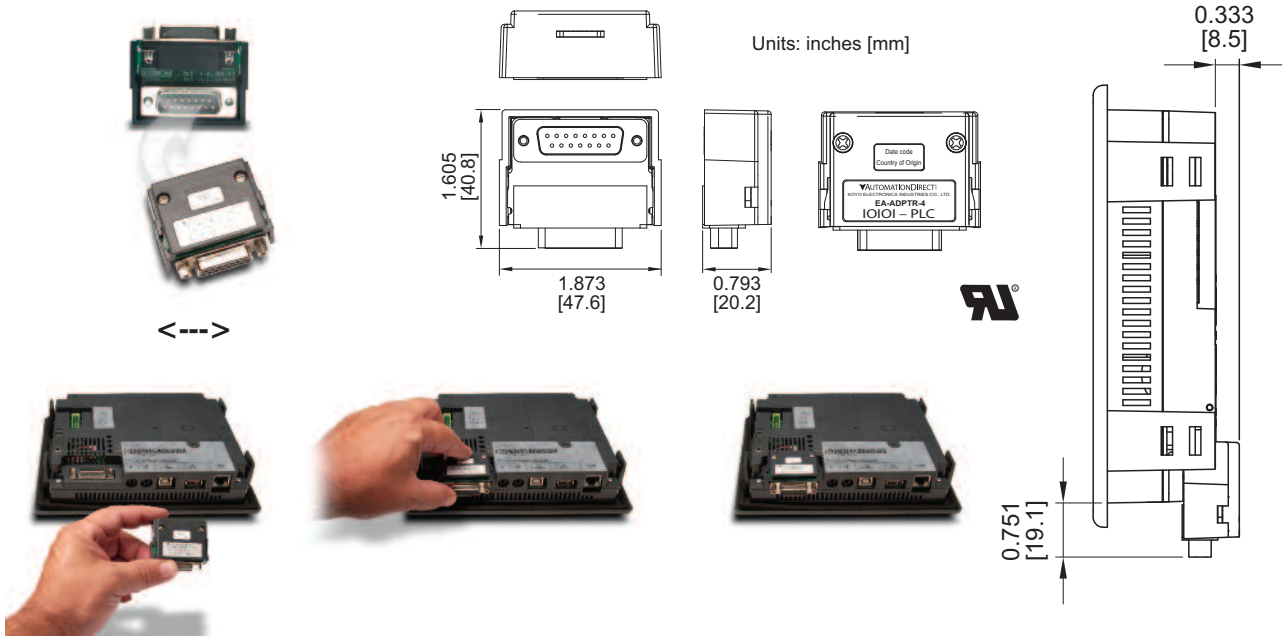
D-SUB 15-pin 90-degree Communication Port Adapter

The EA-ADPTR-4 adapter plugs into the 15-pin serial port on the rear of the panel to allow a PLC communication cable to be plugged in at a 90 degree angle to reduce panel depth requirements. 15-pin straight through pin-out. UL Recognized.

Part No.
EA-ADPTR-4

Dimensions

Units: inches [mm]



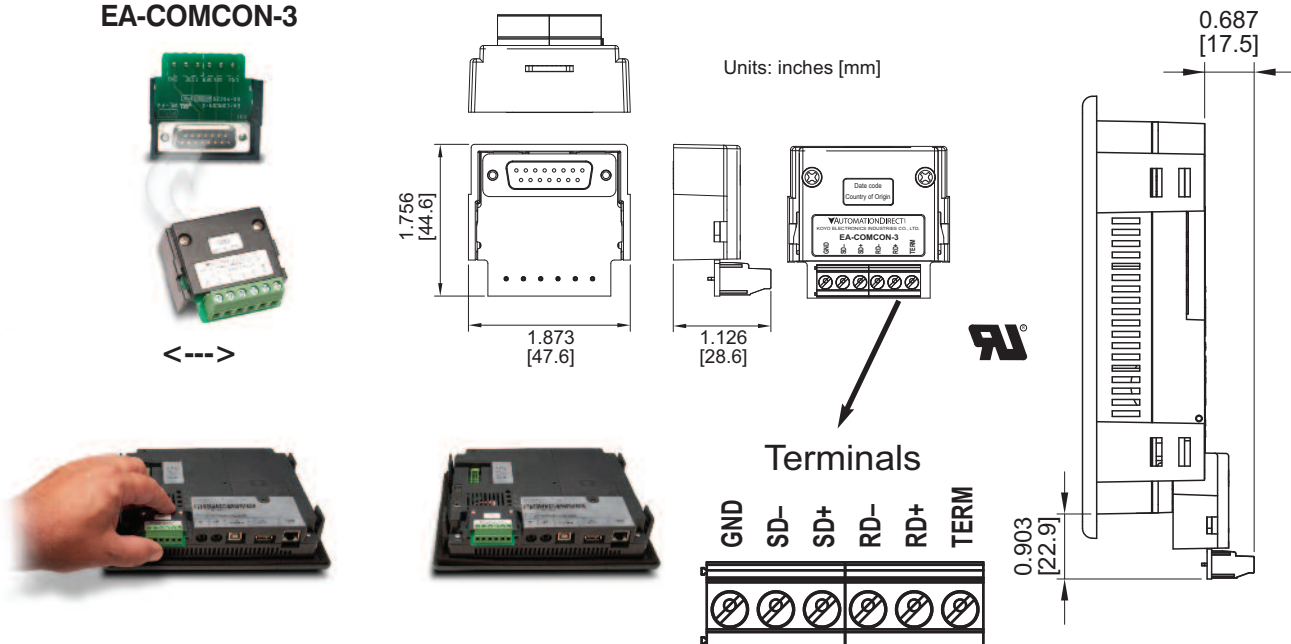
D-SUB 15-pin to Terminal Block Adapter

The EA-COMCON-3 adapter plugs into the 15-pin serial port on the rear of the panel to allow wire terminal connections for an RS-422/RS-485/DH-485 PLC communication cable. UL Recognized.

Part No.
EA-COMCON-3

Dimensions

Units: inches [mm]



C-more Accessories

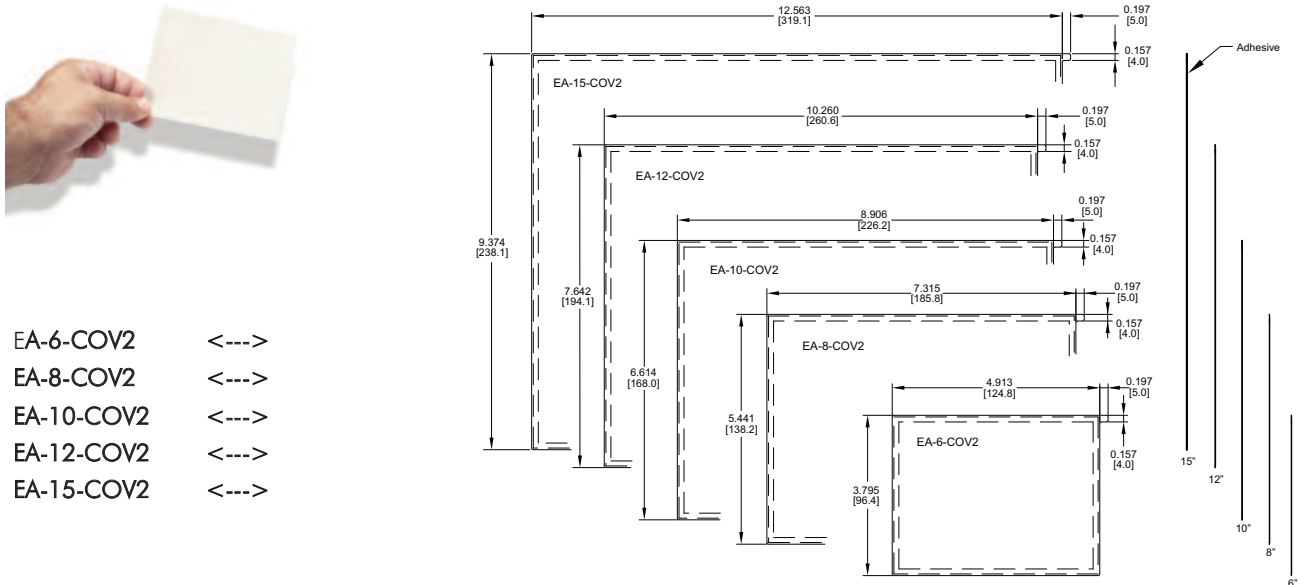
For new applications choose EA9 series C-more panels, part numbers EA9-TxCL(-R).

Non-glare Screen Covers (in packages of 3)

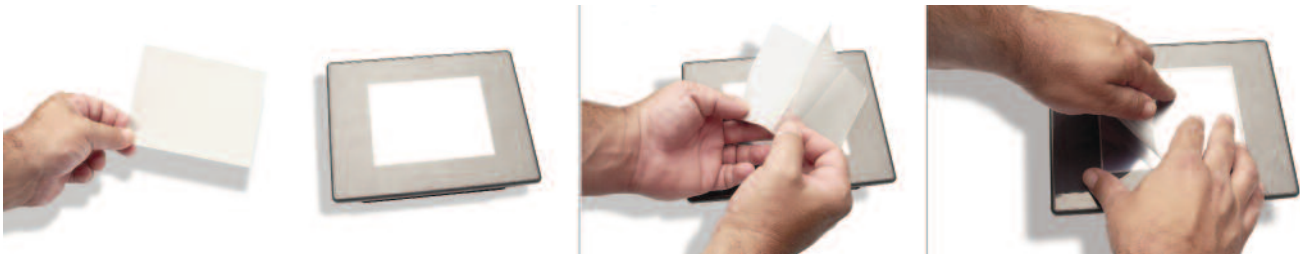
The non-glare screen covers are protective overlays used to protect the touch screen while helping to reduce the glare from external light sources.

Part Nos. EA-6-COV2, EA-8-COV2, EA-10-COV2, EA-12-COV2 and EA-15-COV2

Dimensions



Installation



NOTE: The Protective Cover ships with a thin protective sheet on the face of the cover that needs to be carefully removed. If your panel is not clear, the protective sheet may not have been removed.

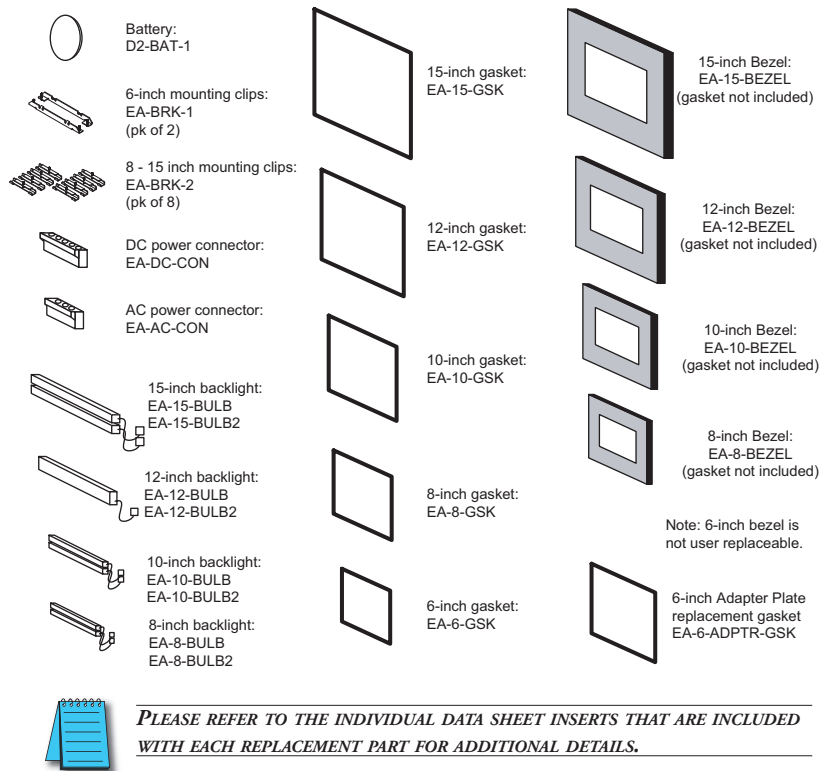
C-more Replacement Parts

For new applications choose EA9 series C-more panels, part numbers EA9-TxCL(-R).

The optional replacement parts can be used to replace damaged, worn or lost C-more components.

Part Number	Description	Price
EA-15-BULB* EA-15-BULB2*	15" Panel Backlight Bulb Replacement	<--->
EA-12-BULB* EA-12-BULB2*	12" Panel Backlight Bulb Replacement	<--->
EA-10-BULB* EA-10-BULB2*	10" Panel Backlight Bulb Replacement	<--->
EA-8-BULB* EA-8-BULB2*	8" Panel Backlight Bulb Replacement	<--->
EA-DC-CON	DC Panel Power Connector Replacement	<--->
EA-AC-CON	AC Power Adapter Connector Replacement	<--->
D2-BAT-1	Replacement Battery	<--->
EA-BRK-1	6" Panel Mounting Clip Replacements (2 per pk.)	<--->
EA-BRK-2	8"-15" Panel Mounting Clip Replacements (8 per pk.)	<--->
EA-15-BEZEL	15" Panel Bezel Replacement	<--->
EA-12-BEZEL	12" Panel Bezel Replacement	<--->
EA-10-BEZEL	10" Panel Bezel Replacement	<--->
EA-8-BEZEL	8" Panel Bezel Replacement	<--->
EA-15-GSK	15" Panel Gasket Replacement	<--->
EA-12-GSK	12" Panel Gasket Replacement	<--->
EA-10-GSK	10" Panel Gasket Replacement	<--->
EA-8-GSK	8" Panel Gasket Replacement	<--->
EA-6-GSK	6" Panel Gasket Replacement	<--->
EA-6-ADPTR-GSK	6" Adapter Plate Gasket Replacement	<--->

Replacement parts at a glance:



*C-more Replacement Bulbs		
C-more Model	Bulb Model	C-more Serial Number
EA7-T8C	EA-8-BULB	EA7-T8C+10Z15B020 and older
	EA-8-BULB2	EA7-T8C+10Z15B021 thru EA7-T8C+12Y25B070
	Non-Replaceable LED	EA7-T8C+12Y25B071 and newer
EA7-T10C	EA-10-BULB	EA7-T10C+10Z11B080 and older
	EA-10-BULB2	EA7-T10C+10Z11B081 thru EA7-T10C+12Y29B120
	Non-Replaceable LED	EA7-T10C+12Y29B121 and newer
EA7-T12C	EA-12-BULB	EA7-T12C+10Z29B019 and older
	EA-12-BULB2	EA7-T12C+10Z29B020 thru EA7-T12C+XXXXXXX
	Non-Replaceable LED	EA7-T12C+XXXXXXX and newer
EA7-T15C	EA-15-BULB	EA7-T15C+10Z22B120 and older
	EA-15-BULB2	EA7-T15C+10Z22B121 thru EA7-T15C+XXXXXXX
	Non-Replaceable LED	EA7-T15C+XXXXXXX and newer

Serial Number = [Part Number]+[YYMDDFFNNN]

Date Code = YYMF

YY: Year (05-99 --- e.g. 05 = 2005)
M: Month (1-9, X, Y, Z --- e.g. X = Oct.)
DD: Day (1-31)
F: Manufacturing Site (0-9, A-Z)
NNN: Sequence number for the date listed (000-999)

Part No.
**EA-8-BULB, EA-8-BULB2,
EA-10-BULB, EA-10-BULB2,
EA-12-BULB, EA-12-BULB2,
EA-15-BULB, & EA-15-BULB2**
see table



Panels with serial numbers newer than November 2013 do not have user replaceable backlights. For earlier panels, the correct replacement bulb part number is provided in the adjacent table. No 6" panels have user replaceable backlights. Older 8", 10" and 15" touch panels use two bulbs per panel and the 12" touch panels use one bulb per panel. The bulbs are packaged two per box for the 8", 10" and 15" touch panels and one per box for the 12" touch panels.

C-more Replacement Parts

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MAINTENANCE AND ACCESSORY INSTRUCTION SHEETS CAN BE VIEWED AND DOWNLOADED ONLINE AT:
[HTTP://WWW.AUTOMATIONDIRECT.COM/STATIC/MANUALS/EAUSERM/EAUSERM.HTML](http://www.automationdirect.com/STATIC/MANUALS/EAUSERM/EAUSERM.HTML)

DC Power Connector Part No. EA-DC-CON



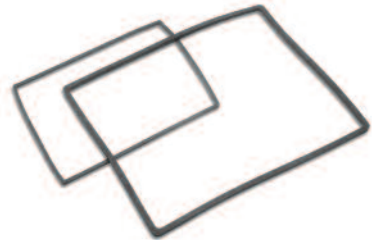
Replacement 5-terminal DC power connector for C-more touch panels.

6" Panel Mounting Clips Part No. EA-BRK-1



Spare panel mounting clips for 6-inch C-more touch panels. Package of 2 clips with 4 screws.

Part No. EA-6-GSK, EA-8-GSK, EA-10-GSK, EA-12-GSK and EA-15-GSK



Replacement NEMA 4/4X touch panel gaskets for C-more 6", 8", 10", 12" and 15" touch panels.

AC Power Connector Part No. EA-AC-CON



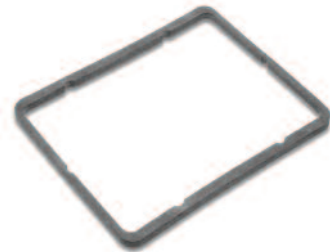
Replacement 3-terminal AC power connector for C-more touch panel AC Power Adapters.

8"-15" Panel Mounting Clips Part No. EA-BRK-2



Spare panel mounting clips for the 8-inch through 15-inch C-more touch panels. Package of 8 clips with 8 screws.

Part No. EA-6-ADPTR-GSK



6-inch replacement NEMA 4/4X gasket for the C-more touch panel adapter plate.

Replacement Battery Part No. D2-BAT-1



Backup Battery (supplied with new panels)
C-more panels use battery backed RAM to store retentive values for internal tags. This battery will last for up to two years, and is easy to replace. You can even set up an alarm condition, and let C-more remind you when the battery needs replacing. The C-more panels come with the D2-BAT-1 already installed.

NOTE: The D2-BAT-1 is the same battery used in our DL06, D2-250(-1), D2-260 and D3-350 PLC products.

Part No. EA-8-BEZEL, EA-10-BEZEL, EA-12-BEZEL and EA-15-BEZEL



NEMA 4/4X bezel, customer replaceable, for C-more 8", 10", 12" and 15" touch panels. Gasket not included.



CAUTION - The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not recharge, disassemble, heat above 100 °C (212 °F) or incinerate. Replace battery with AutomationDirect part number D2-BAT-1 or CR2354 only. Use of another battery may present a risk of fire or explosion. Dispose of used battery properly. Keep away from children.
Perchlorate Material, special disposal handling may apply.