

AC/DC POWER ADAPTER INSTALLATION P/N EA-AC



WARNING: 1.) This procedure should only be performed by qualified personnel who are experienced in working with electronic equipment. Take the necessary steps to prevent damage that may be caused by static electric discharge. Disconnect input power to the touch panel before proceeding.
2.) 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].



NOTE: 1.) THE AC/DC POWER ADAPTER, EA-AC, IS FOR C-MORE TOUCH PANELS ONLY. THE ADAPTER IS POWERED FROM A 100-240 VAC, 50/60 HERTZ POWER SOURCE. THE ADAPTER PROVIDES 24 VDC @ 1.5 A.
2.) 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.
3.) PLEASE READ THE WARNING ON THE REAR OF THIS DATA SHEET IN REGARD TO ELECTRICAL WIRING AND SAFETY. PRODUCT DIMENSIONS AND OVERALL DEPTH OF THE VARIOUS TOUCH PANELS WITH THE AC/DC POWER ADAPTER INSTALLED ARE SHOWN ON THE REAR OF THIS DATA SHEET.



1
Preparation: Place the touch panel face down on a lint-free soft surface to prevent scratching the display screen if not already installed in a control cabinet. Remove the DC power connector if it is installed.



2
Insert the AC/DC Power Adapter into the touch panel's 5-pin DC power connector.



3
Secure the AC/DC Power Adapter to the touch panel by tightening the two (2) spring loaded captive M3-20 screws to a torque of 50 oz-in [0.35 Nm].



4
Plug the wired 3-pin AC Power Connector into its mating connector on the adapter and secure in place by tightening the two (2) captive M2.5 screws to a torque of 70 oz-in [0.5 Nm]. (Wiring details on back of sheet.)

1-800-633-0405

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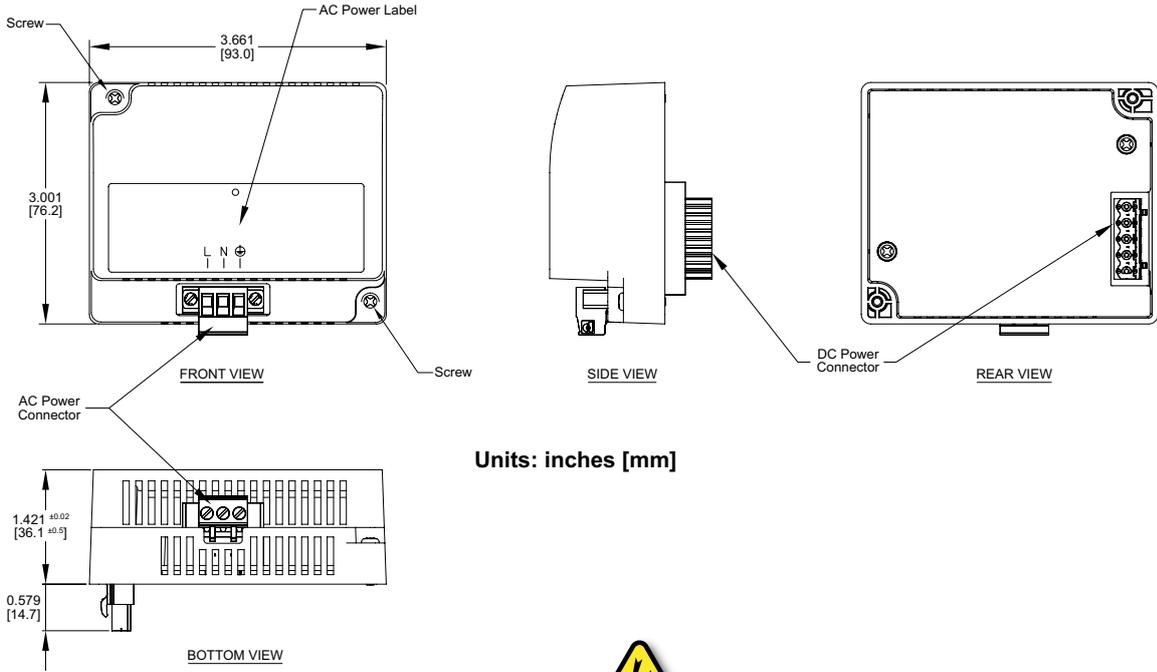
AC/DC Power Adapter Specifications

Part Number	EA-AC	Short Circuit Protection	85VAC: 2.6 A, 100VAC: 2.8 A, 264VAC: 3.9 A
Input Voltage & Frequency	100-240 VAC +10% -15%; 50/60 Hertz	Static Electricity Discharge Resistance	Compliant with IEC61000-4-2, Contact: 4 kV, Air: 8 kV
Wire	24-14 AWG, 60 / 75°C Copper. Tighten to 72 oz-in (0.5 Nm)	Agency Approvals	UL508 - UL Recognized for use with C-more panels, cUL, CE, EMC EN61132-2
Permissible Momentary Power Failure	Within 40ms	Environment	For use in pollution degree 2 environment
Input Power	68VA or less	Grounding	Ground resistance: less than 100 ohm
Operating Temperature Range	0°C to 50°C [32 to 122°F] Maximum surrounding temperature rating, 50°C	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.)
Storage Temperature Range	-20 to 60°C [-4 to 140°F]	Weight	6.13 oz. [175 g]
Operating & Storage Humidity	10-85% RH (non-condensing)	Cooling Method	Natural convection
Noise Immunity	1000VAC p-p (Pulse width 1 µs, rise time: 1 ns), with proper ground connection on AC terminal block.	Removable AC Power Connector (included)	EA-AC-COM or DECA Switchlab MC101-508-03G Secured with (2) captive M2.5 screws, torque to 70 oz-in [0.5 Nm]
Hi-Pot	1000VAC, 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	500VDC, 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 100VAC: 15A, 3ms or less For 240VAC: 20A, 3ms or less
Shock	Pulse shape: Sine half wave, Peak acceleration: 147 m/s ² (15 G), X, Y, Z: 3 directions, 2 times each	Mounting to Touch Panel	Secure with (2) spring loaded captive M3-20 screws, torque to 50 oz-in [0.35 Nm]
Thermal Protection	140°C [284°F], with autorecovery	Recommended External Fuse	3.0A (ADC p/n: MDL3)



NOTE: PERMISSIBLE MOMENTARY POWER FAILURE: THE C-MORE TOUCH PANEL WILL TURN OFF THE LCD BACKLIGHT INSTANTLY WHEN A POWER FAILURE IS DETECTED (LESS THAN 58 VAC +/- 5%), THUS EXTENDING THE POWER RETENTION PERIOD THAT ENABLES THE CPU TO RUN LONGER. THE BACKLIGHT TURNS ON AUTOMATICALLY WHEN THE POWER RETURNS TO THE NORMAL OPERATING VOLTAGE.

AC/DC Power Adapter Dimensions:



Units: inches [mm]



WARNING

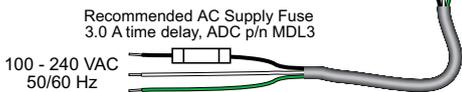
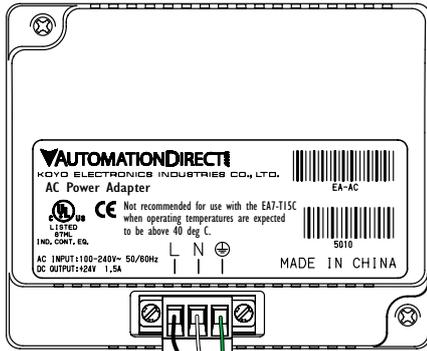
To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that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

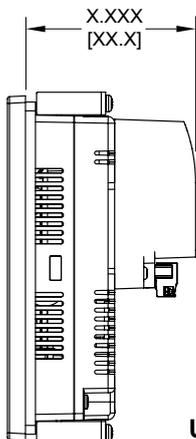
If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call us at 770-844-4200.

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AC/DC Power Adapter Wiring:



Panel Depth with AC/DC Power Adapter Installed:



- EA9-T6CL-R = 2.99 [75.9]
- EA9-T6CL = 2.99 [75.9]
- EA9-T7CL-R = 2.99 [75.9]
- EA9-T7CL = 2.99 [75.9]
- EA9-T8CL = 3.51 [89.2]
- EA9-T10CL = 3.51 [89.2]
- EA9-T12CL = 3.35 [85.1]
- EA9-T15CL = 3.35 [85.1]

Units: inches[mm]

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