6" Micro-Graphic panels are powered from a 12-24 VDC power supply during operation, or can be text. EA1-T6CL is rated UL for use on a flat surface of Type 1, 4X enclosure (for indoor use only). The orientation can display 60 characters and 53 lines of static text and 40 lines by 40 characters of dynamic

Accessories (sold separately)

- 20 Button Keypad Bezel
- 31 Button Keypad Bezel

Programming Software & Programming Cable (sold separately)

- USB Programming Cable
- EA-MG-PGMW

Agency Approvals

- UL, cUL & CE agency approvals (see below for details)
- 2 optional keypad bezels, 20-button landscape and 21-button portrait mount

C-more 6 Inch Color Micro-Graphic Panel

• MICROGRAPHIC PANELS, Accessories & Replacement Parts
• Connect C-6 Micro Color Micro-Graphic Panel to Computer
• Provide Power to the C-6 Micro Color Micro-Graphic Panel
• Unpack and Inspect
• Install Optional Hardware Accessories (sold separately)
• Become Familiar with Available Communication Ports
• Install the Software and Develop a Project
• Before you begin... 
• General Description
• Safety Information
• Before you begin...
• Accessories (sold separately)
• Programming Software & Programming Cable (sold separately)
• Agency Approvals

General Description

All C-More Micro-Graphic panels feature a 5.7" inch TFT LCD color 512 x 240 display with an anti-glare finish. The micro-graphics panels have a defined font here, each key with a cross-defined red LED indicator. The panel displays up to 40 lines by 60 characters of static text and up to 40 lines by 68 characters of dynamic text with embedded variables and general panel features with graphical panel display in landscape orientation. Portrait orientation can display all characters and 53 lines of static text and 40 lines by 40 characters of dynamic text. EA-T6CL is rated UL for use on a flat surface of Type 1, 4X enclosure (for indoor use only). The C-More Micro-Graphic panels are powered from a 12-24 VDC power supply during operation, or can be text. EA1-T6CL is rated UL for use on a flat surface of Type 1, 4X enclosure (for indoor use only). The orientation can display 60 characters and 53 lines of static text and 40 lines by 40 characters of dynamic

Safety Information

To reduce the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. There may be very few areas to an 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 versions of these codes.

Equipment damage or severe injury in personnel can result from failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, we do not 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 our 800-340-1946 or 770-944-6260.

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Before you begin...

Before starting to use the C-More Operation Panel, you must first be familiar with the Micro-Graphic Panel. C-More Micro-Graphic Programming Software is available free of charge at www.CmoreMicro.com/software. There are currently five languages available in which the software can be run: English, French, German, Italian, and Spanish. You must have a computer capable of running the software, as well as a software driver for the C-More Operation Panel. The software driver can be downloaded from the C-More Micro-Graphic Programming Software CD-ROM, or from the C-More website at www.CmoreMicro.com. The installation instructions are provided in the Software Driver Help file.

To install the software, plug the panel into the computer, and the software should detect the panel and automatically install the software. If you do not have a panel, you can download a demo version of the software from the C-More website. If you have a panel, you can download the software from the C-More website and install it on your computer. If you do not have a panel, you can download a demo version of the software from the C-More website. If you have a panel, you can download the software from the C-More website and install it on your computer.

Accessories (sold separately)

The C-More Micro-Graphic panels come with a 20-button keypad bezel and a 31-button keypad bezel. The 31-button keypad bezel can be used with the C-More Micro-Graphic panels, and the 20-button keypad bezel can be used with any C-More Micro-Graphic panel.

Programming Software & Programming Cable (sold separately)

The C-More Micro-Graphic panels come with a USB programming cable that is used to communicate with the panel. The programming cable is used to transfer data between the panel and the computer. The software that is used to communicate with the panel is called the Micro-Graphic Programming Software. The software is available for free download at www.CmoreMicro.com/software.

Agency Approvals

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The panel is powered by a 12-24 VDC class 2 power source in normal operation.

The C-More Micro-Graphic panel can be powered by a 12-24 VDC class 2 power source in normal operation.

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C-more 6" Color Micro-Graphic Panel Specifications

**Description:**

- **Type:** 6" (152 mm) color graphic display.
- **Color Brightness**: 450 (typ) 900 (nominal) nits.
- **Video Frequency**: 60 frames/second, 30 frames/second.
- **Video Refresh Rate**: 60 Hz, 30 Hz.
- **Contrast Ratio**: 500:1, 1000:1.
- **Active Area Size**: 5.7" TFT Color LCD, graphical characters.
- **Keypad Function Button LEDs**: Each function key button includes a red LED that can be user programmed.
- **Active Area Size**: 5.7" TFT Color LCD, graphical characters.
- **Panel Gasket**: Panel gasket and lock tabs into place.
- **Function Keys Label Inserts**: Four directional cursor buttons, menu buttons, and ESC, MIN, DATA, and ENTER buttons.

**Physical:**

- **Agency Approvals**: CE (EN61131-2), UL508, CUL Canadian C22.2 No. 142-M95, UL File E157382, CSA file 234884.
- **Enclosure Mounting**: For use on a flat surface of Type 1, 4X enclosure (Indoor use only).
- **Enclosure**: NEMA ICS3-304 (EN61131-2).
- **Agency Approvals**: UL Recognized.

**Environmental:**

- **Power Consumption**: 2W 6.5 W.
- **Input Voltage Range**: 5.0 VDC (4.75 – 5.25 VDC) 12/24 VDC (10.2 – 26.4 VDC).
- **Minimum of 500,000 cycles**.
- **Maximum 1 ms**.
- **Maximum**: 10.000" (W) x 6.394" (H) x 2.488" (D).
- **Minimum of 1,000,000 cycles**.
- **Operating Temperature**: -20 to 60 °C (-4 to 140 °F).
- **Humidity**: 5 to 95 % RH (non-condensing).
- **Weight**: 29.63 oz. (840 g).
- **Enclosure Mounting**: Each function key button includes a red LED that can be user programmed.
- **Agency Approvals**: UL Recognized.

**Communication Port Adapters:**

- **Communication Port Adapters**: D-SUB 15-pin 90-degree Communication Port Adapter (EA-ADPTR-4).
- **Part Number Description**: EA1-S6ML, EA1-S6MLW, EA1-T6CL.
- **Panel Gasket**: Panel gasket and lock tab into place.
- **Function Keys Label Inserts**: Four directional cursor buttons, menu buttons, and ESC, MIN, DATA, and ENTER buttons.

**Clear Screen Overlay:**

- **Clear Screen Overlay**: EA-6-COV2.
- **Panel Gasket**: Panel gasket and lock tab into place.

**Customizing the Function Keys Label Insert:**

1. Remove existing function keys label insert as specified on panel’s screwdriver.
2. Remove the 15-pin terminal block adapter (EA-CMCON-3).
3. Align the overlay with the screen and press the adhesive firmly into place.
4. Install the new insert into the slot at the side of the panel and lock tab into place.

**Replacement Parts:**

- **Panel Mounting Clips**: Part No. EA-MG-RZ2-BRK.
- **Panel Gasket**: Part No. EA-MG-6ML-GSK.
- **Keypad Bezel Gasket**: Part No. EA-MG6-BZ2-GSK.
- **Function Key Label Inserts**: Part No. EA-MG6-S6ML-GSK.
- **DC Power Connector**: Part No. EA-MG-DC-CON.

**Panel Dimensions:**


**Cutout Dimensions:**

- **Cuts**: 0.333 [8.5] mm.

**Clear Screen Overlay:**

- **Dimensions**: 121.3 [4.5], 75 [3.0], 1.873 [42.9], 1.689 [43], 1.843 [47] inches.

**Function Keys Label Inserts:**

- **Function Keys Label Inserts**: Part No. EA-MG6-S6ML-GSK.

**Data Sheet:** EA1-MG6CL-QSG Rev. E