

## Professional Automation Mini Control System for CAEN Automation System Enclosures

The Crestron® PAC2M is a compact control system designed for small lighting and automation applications.



### Install the Device

#### Mount the PAC2M in a CAEN

The PAC2M can be installed in both CAEN and CAENIB automation enclosures. For simplicity in this guide, the term "CAEN" will be used.

**CAUTION:** The CAEN houses equipment that needs to be air cooled. Therefore, mount it in a well-ventilated area. The ambient temperature range must be 32°F to 104°F (0°C to 40°C). The relative humidity must range from 10% to 90% (non-condensing). Allow adequate clearance in front of the vented cover for servicing and ventilation.

#### NOTES:

- The CAEN is intended for indoor use only.
- Reliable earth grounding of equipment mounted in a CAEN should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (for example, use of power strips).
- To ensure access to the connectors and memory card slot at the bottom of the PAC2M, mount the unit so that all CLX- (or CLSI-) Series modules are above it within the CAEN.

Refer to the latest version of the CAEN Automation Enclosures Installation Guide (Doc. 5940) and the CAENIB Automation Enclosures Installation Guide (Doc 6562) at [www.crestron.com/manuals](http://www.crestron.com/manuals) for more information on the CAEN and CAENIB.



#### In the Box

- 1 PAC2M, Professional Automation Mini Computer

##### Additional Items

- 4 Screw, 08-8B x 1/4 in., Phillips (2007277)
- 1 Cable, Interconnect, 22 AWG, 10 in. (4531256)
- 2 Assembly, 3-Pin, 3.5 mm plug with jumper wire (4502793)
- 2 Connector, 2-Pin (2003574)
- 8 Connector, 4-Pin (2003576)
- 1 Connector, 5-Pin (2003577)
- 1 Connector, 8-Pin (2003580)
- 1 Terminal Block, Bussing Strip (2003729)
- 1 Label, Cabinet Identification (2003925)

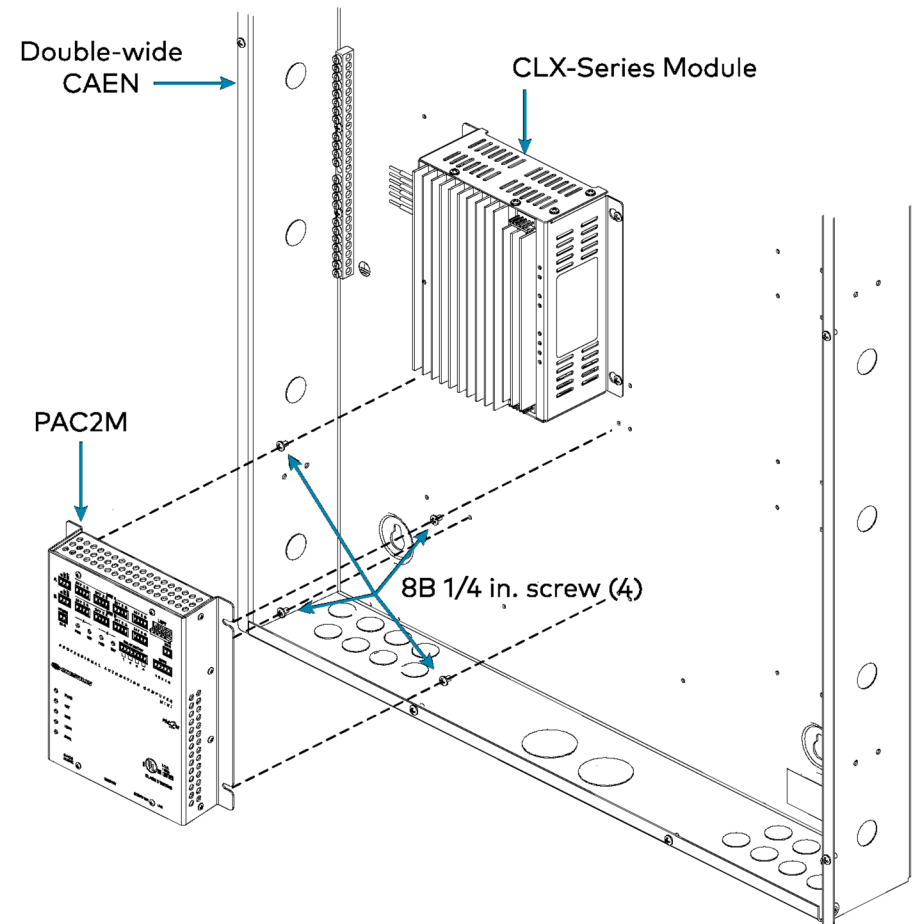
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The PAC2M has two flanges that allow the unit to be mounted in a CAEN. The following procedure assumes installation in a double-wide CAEN. A #2 Phillips screwdriver is required.

1. Use the #2 Phillips screwdriver to attach the four included self-tapping screws (8B x 1/4 in.), screwing them in partially to allow room to mount the PAC2M. Refer to the illustration that follows.
2. Mount the PAC2M in the CAEN, where the screws were attached, sliding the unit to the right to ensure the screws fully engage the slots in the flanges.
3. Tighten the screws.

**NOTE:** For installation in a single-wide CAEN, attach the right-side screws (screw them in partially), mount the PAC2M on those screws, and then attach the screws on the left. Fully tighten all screws.

PAC2M in a CAEN



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### Power Options

The PAC2M can be powered via the 2-pin **PWR** connector or by an external power pack (such as the PW-2420RU, sold separately) but not by both. Using the PW-2420RU, the PAC2M can provide power to peripheral Cresnet® devices (via the built-in Cresnet Hub/Repeater) up to a total of 45 Watts. If additional power is needed, Crestron recommends the CNPWS-75, 75-Watt external power supply (sold separately).

### Install the Bussing Strip

The PAC2M is supplied with a brass bussing strip to facilitate commoning (linking) of multiple terminal block connections. The bussing strip is constructed with four terminal block positions and may be trimmed to size for various applications or different devices.

To utilize the bussing strip:

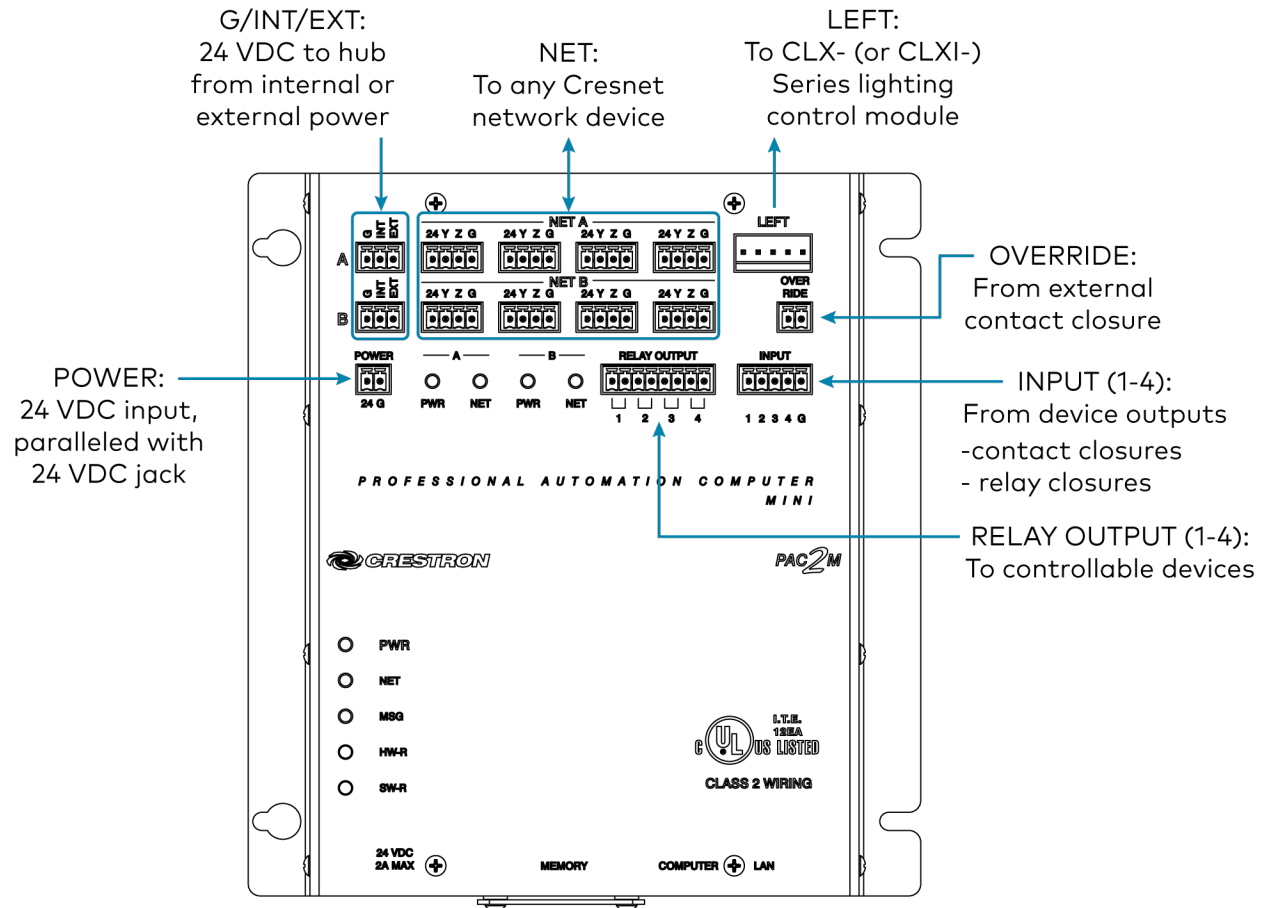
1. Determine the number of relays to be commoned for the equipment being installed. If less than four, the strip can be trimmed to size with a pair of scissors or wire snips.
2. Loosen the terminal block screws and insert the first leg of the bussing strip into the first common position of the terminal block. The strip engages the other common positions automatically.
3. Remove approximately 1/8 in. of the jacket from the common wire and insert the conductor into one of the terminal block common positions. Tighten the terminal block screws to lock the wire and bussing strip in place. Insulate the strip by folding a piece of 3/4 in. wide vinyl electrical tape over the spine and as much of the individual legs as possible. Excess tape at each end of the strip should be pressed closed, then trimmed to within approximately 1/16 in. of the end of the strip.
4. When wiring the remaining conductors, remove approximately 1/8 in. of the jacket and insert the wires into the proper terminal block positions. To prevent the possibility of electrical shorts, it is essential that these conductors do not touch any uninsulated portion of the bussing strip.
5. Securing a tie wrap around the bussing strip is a useful way to provide strain relief for the wires connected to the terminal block.

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### Connect the Device

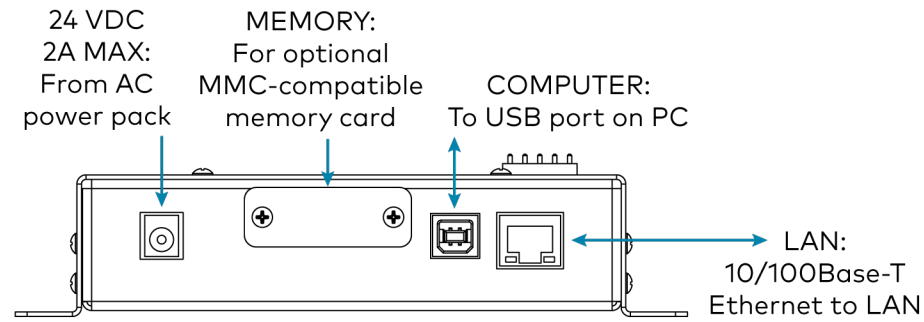
Connect the device as called out in the following illustrations. Connect power last.

#### PAC2M Front



## Professional Automation Mini Control System for CAEN Automation System Enclosures

### PAC2M Bottom



## Professional Automation Mini Control System for CAEN Automation System Enclosures



## Visit the Product Page

Scan the QR code to visit the product page.

PAC2M



[www.crestron.com/model/6500159](http://www.crestron.com/model/6500159)

## Additional Information

**Original Instructions**

The U.S. English version of this document is the original instructions. All other languages are a translation of the original instructions.

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