

ExpansE Architecture

ME-009 Boards Tray Cabinet Housing

The ME-00 offers a rack which can hold several MUs, EUs or a combination of both. The rack holds one 14 Ah backup battery as well as a power supply which powers all the connected units. See Figure 6 below.



Figure 6: ME-00 9 Boards Tray Cabinet Housing

2. Connect the RS-485 communication terminal block to the EXP-2088 board using daisy chain methodology. See RS-485 Daisy Chain, on page 30 for detailed instructions.
3. When placing the EXP-2088 into the ME-00 rack mount, remove the Power terminal block and slide the EXP-2088 into the slot, making sure the ME-00 Molex connector is secured.



Note:

When using the ME-00 rack mount, the power and RS-485 communication connection are received from the rack itself and do not require direct wiring.

4. Connect a tamper switch to the tamper input terminal block, see General Purpose Inputs, on page 36. There are 8 inputs on the EXP-2088 board, see Inputs and outputs, on page 31 for detailed wiring instructions and uses.
5. There are 8 outputs on the EXP-2088 board that can be used for various applications, see Output Description, on page 36 for detailed wiring instructions and uses.

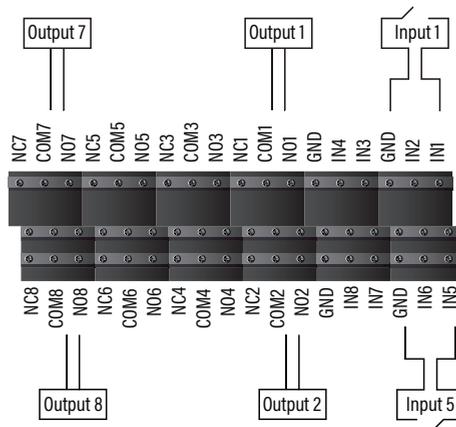


Figure 17: EXP-2088 – 8-Inputs/Outputs Interface Detailed Wiring

4.2 ME-009 Boards Tray Cabinet Housing Wiring

The ME-00 9 Boards Tray Cabinet Housing can be used to store several MUs and/or EUs. The Cabinet provides internal RS-485

Hardware Installation

communication between the units as well as power to each of the connected units.

See the detailed wiring instructions below on wiring the cabinet itself as well as Figure 18, below.

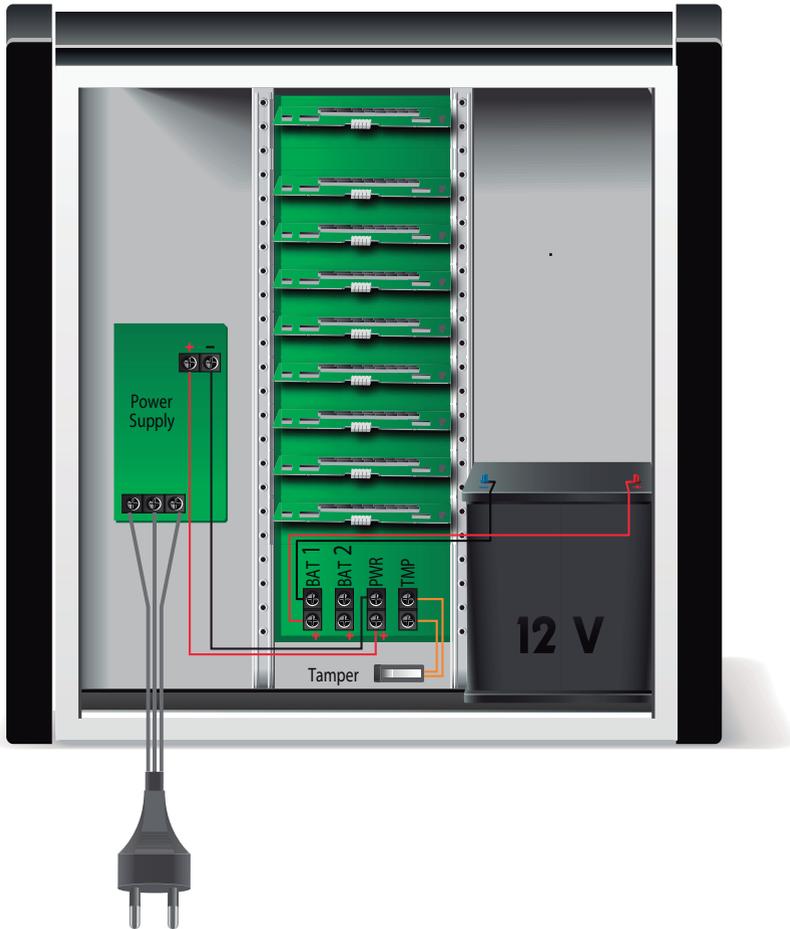


Figure 18: ME-00 – 9 Boards Tray Cabinet Housing Wiring To wire the ME-00 9 Boards Tray Cabinet Housing:

1. Connect a 12-16VDC 1500mA transformer to the power terminal block, see Power Supply wiring section on page 30.
 2. Connect the backup battery to the battery terminal block.
-

Hardware Installation

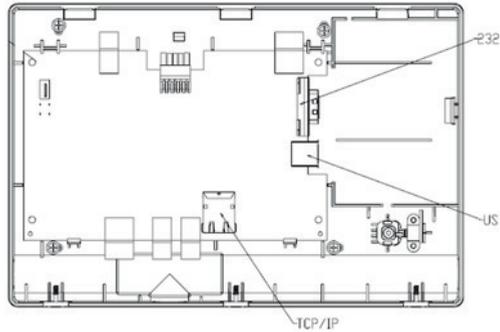


Figure 35: ME-14 Assembly

ME-009 Boards Tray Cabinet Housing

The ME-00 9 Boards Tray Cabinet Housing offers a cabinet that holds several MUs and/or EUs. The cabinet also holds several backup batteries as well as an embedded power supply, which powers all the connected units.

To install the ME-00:

1. Using the holes dimensions and locations shown in Figure 36, on page 46 drill holes in the wall.
2. Insert masonry anchors into the drilled holes.
3. Wire the cabinet as described in section 4.2 ME-00 9 Boards Tray Cabinet Housing Wiring, on page 28.
4. Slide and secure the individual units into the designated slots, ensure that each unit is secured in place to receive the power and communication directly from the rack as shown in Figure 37, on page 46.
5. Thread the wires through the designated holes in the rear of the rack as shown in Figure 38, on page 47, wire the individual units according to the wiring instructions as explained in the Wiring Instructions chapter, on page 21.
6. Mount the ME-00 onto the wall.
7. Close and secure the enclosure.

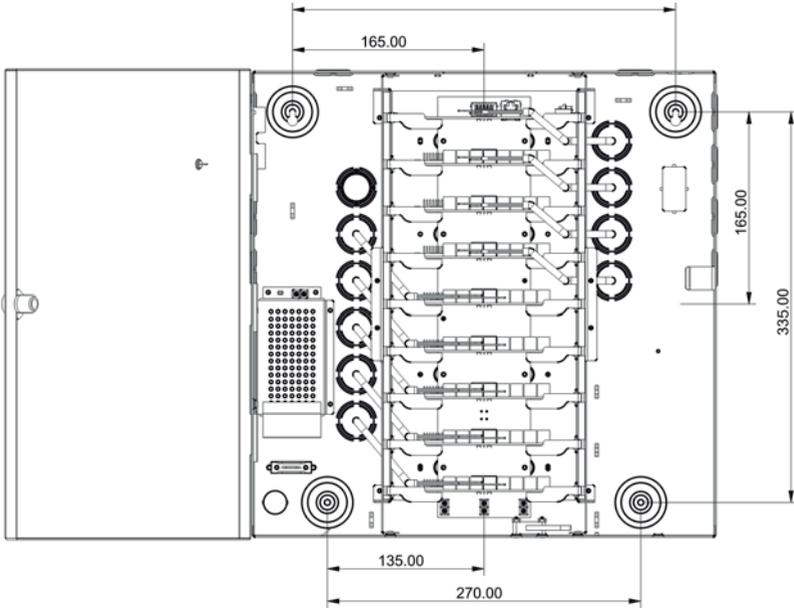


Figure 36: ME-00 Mounting Template

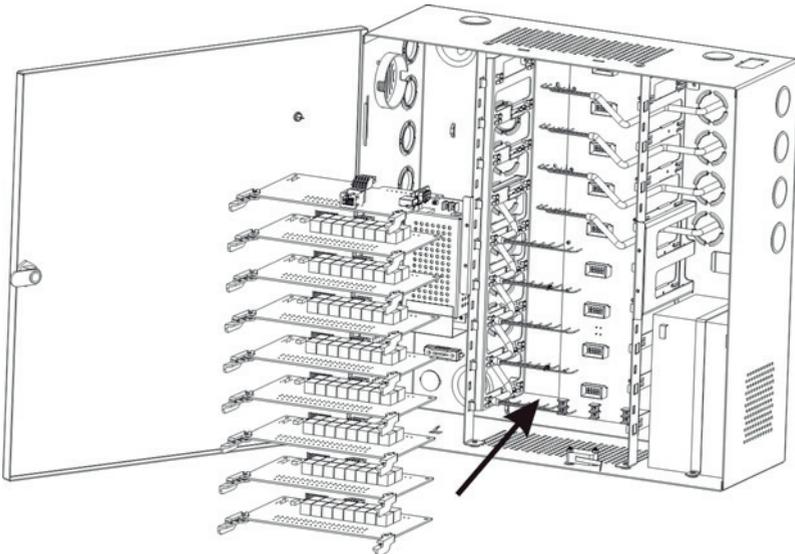


Figure 37: ME-00 Units Placement