

# ME-1015

## Enclosure for Networked Access Controllers Installation Manual

### 1. Introduction

The ME-1015 power management enclosure is a lockable metal cabinet for indoor use supporting Rosslare's AC-215x, AC-225x, and AC-425x, networked control panels.

The ME-1015 enclosure has a Universal Power Socket (UPS) with a C14 standard plug for the VAC switcher power supply, as well as an audio speaker sounder for chime, bell, and siren.

The ME-1015 has a VDC power management board with charger for a 12 V / 7 Ah lead acid battery, and output power supply.

The unit has a LED illumination bar that is connected to the controller boards and lights when the enclosure door is open. The illumination bar includes a green power status LED and a tamper switch at the front of the enclosure. With the built-in pre-wired tamper switch, an event is generated and sent to the AxTraxNG™ server any time the main cover is opened.

Figure 1: ME-1015 Door Open and Locked



### 2. Technical Specifications

#### 2.1 Electrical Characteristics – Power

Enclosure	Input: 100 to 240 VAC, 1.6 A, 50–60 Hz, switch mode power management board C13 power cord Switching Power Supply Output: 15 VDC, 4 A
PM-10 PCBA Input Power	15 VDC, 2 A, regulated power management board
Backup Battery	12 V sealed lead acid (SLA) up to 7 Ah Automatic Charging Circuit @ 300mA Power switches to UPS Mode when mains fail
PM-10 PCBA Output Power	Channel 1: 13.8 VDC @ 2 A for panel/readers Channel 2: 13.8 VDC @ 2 A for locks Channels are physically isolated and fused with PTC resettable fuse
LED Indicators	1 red LED for each power output, lights when the power is active

#### 2.2 Electrical Characteristics – Others

Lightbar™ Current Consumption	10 mA – 10 LED light (white LED) – 0.3 W
Built-In Speaker	0.5 Watt – 8 Ohm
Tamper Switch	Normally Open (closed when cover is closed) 2-Wires – Built in to the light bar
Power Logic States	Main Power – Restored Main Power – Failed UPS Battery – No UPS battery detected UPS Battery – UPS mode started UPS Battery – UPS mode ended UPS Battery – UPS low battery (30%)

#### 2.3 Environmental Characteristics

Operating Environment	Indoor
Operating Temp. Range	0°C to 50°C (32°F to 122°F)
Operating Humidity Range	0 to 85% (non-condensing)

#### 2.4 Physical Characteristics

Enclosure Dimensions (H x W x D)	364 x 264 x 87.4 mm (14.3 x 10.4 x 3.4 in.)
Enclosure Weight*	3.4 kg (7.5 lb)

\* For weight purposes, the ME-1015 enclosure includes the metal box, AC input, DC output and LED bar.

## 3. Installation

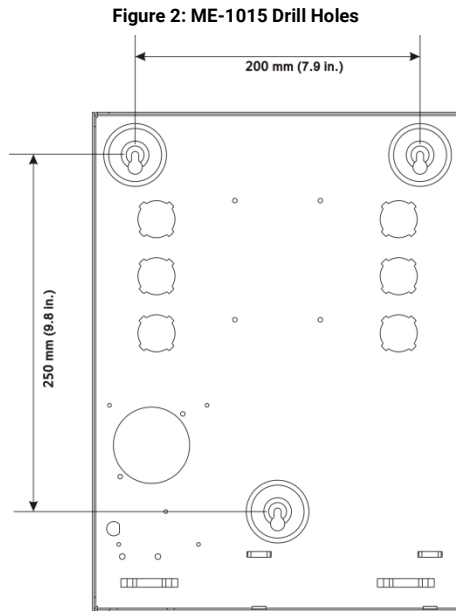
The installation shall be in accordance with US National Electrical Code NFPA 70.

### 3.1 Mounting the ME-1015

When selecting an area for mounting, ensure the location is flat.

#### To mount the ME-1015:

1. Drill holes in the wall, using the hole locations on the back cover of the enclosure as a guide (Figure 2).



2. Insert masonry anchors into the drilled holes.
3. Mount the enclosure onto the wall.
4. Once the ME-1015 is mounted, it can house a controller along with an expansion.

### 3.2 Connecting a Control Panel or Expansion

The ME-1015 is compatible with the following control panels.

- AC-215x
- AC-225x with MD-D02B
- AC-425x with MD-D04B

#### To connect the networked control panel:

1. Make sure the main power is disconnected and the backup battery is disconnected.
2. Mount the control panel in the mounting holes and secure it with the provided screws.
3. Connect the power black (-) output from the PM-10 power output to the control panel (-) and the red (+) to the (+) terminal of the control panel.
4. Connect the power monitoring outputs from the ME-1015 to the control panel inputs.
5. Connect the speaker connector to the speaker output port of the control panel.

For best practice, make sure that power is completely turned off when installing peripherals, locks, and other accessories to the control panels.

### 3.3 Connecting the Battery

Once the control panel connections are completed, you can install the battery.

#### To connect the battery:

1. Make sure the main power is disconnected when installing the battery.
2. Use a 7 Ah sealed lead acid battery with crimp terminals (Yuasa Model NP7-12FR or equivalent).
3. Connect the backup battery red/black wires.  
If there is residual power in the battery, the system should turn on. If the battery is totally empty, the system will not power on.
4. Plug the power cord in to the slot located on the bottom left of the ME-1015 casing and secure it if needed.

### 3.4 Powering on the ME-1015

#### To power on the ME-1015:

1. Make sure that all of the connections are secure.
2. Plug the power cord in to the slot located on the bottom left of the ME-1015 casing and secure it if needed.
3. Check that the green power status LED lights.
4. Thread the wires through the designated holes in the rear and sides of the enclosure.
5. Wire the board to its inputs/outputs according to the wiring instructions for the relevant board (see Appendix A.)

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## A. Related Documents

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- AC-215x-B Series Hardware Installation and User Manual (PN: 0706-0960661+00)
  - AC-225x-B Series Hardware Installation and User Manual (PN: 0706-0960660+00)
  - AC-425x-B Series Hardware Installation and User Manual (PN: 0706-0960668+00)
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## Limited Warranty

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The full ROSSLARE Limited Warranty Statement is available in the Quick Links section on the ROSSLARE website at [www.rosslaresecurity.com](http://www.rosslaresecurity.com).

Rosslare considers any use of this product as agreement to the Warranty Terms even if you do not review them.

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