



Part No.	Door Count	Description	Weight
E1M	2 Doors	Enclosure with main backplate	13 lbs

E1 enclosure size: 14H x 12W x 4.5D



### Overview

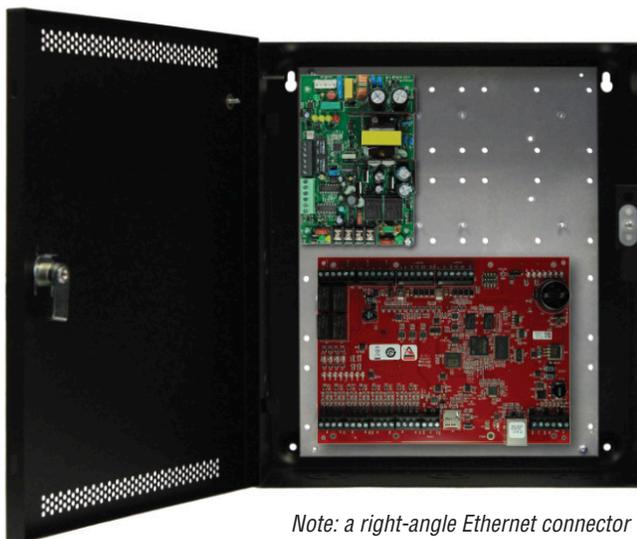
MCLASS multi-purpose enclosures offer maximum flexibility, functionality and savings to access system designers. MCLASS enclosures are engineered to house FlexPower® power management boards alongside Mercury Security™ access hardware in one compact, secure UL294 listed system.

To prevent damage to system electronics, the backplate separates from the enclosure for access hardware mounting in the shop while wiring is pulled to the enclosure at the job site. Once configured, the backplate can be remounted for final ties and checkout.

### Features

- Mounts LSP power and access hardware in a variety of combinations
- Removable backplate simplifies job installation
- Pre-engineered access mounting patterns saves installation time
  - ◆ Power and distribution boards are mounted and pre-wired
  - ◆ Access boards mount on provided threaded standoffs
- Mechanical upgrades
  - ◆ Removable door with quick disconnect grounding strap
  - ◆ Lockset and tamper switch provided
  - ◆ 4.5" enclosure depth to accommodate battery area
  - ◆ 16 Gauge steel with textured black finish
  - ◆ Multiple knockouts all four sides

## Custom Backplate System



*Note: a right-angle Ethernet connector is required when mounting an LP1502*

### Flexible Mounting Pattern

The E1M backplate is designed with a unique Mercury mounting pattern to provide the installer with a configuration mechanism capable of supporting both standard and PoE subassemblies in an extremely efficient manner for maximum door count.

The backplate is removable and mounts controllers and LSP modules in both single and dual voltage configurations.

The 4.50" cabinet depth allows for various battery sizes and capacities based on standby time required.

### LSP/Mercury Joint UL/CUL Listing

Any combination of listed LSP and Mercury controllers may be configured and retain UL/CUL system listing.

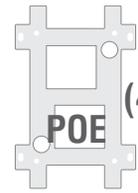
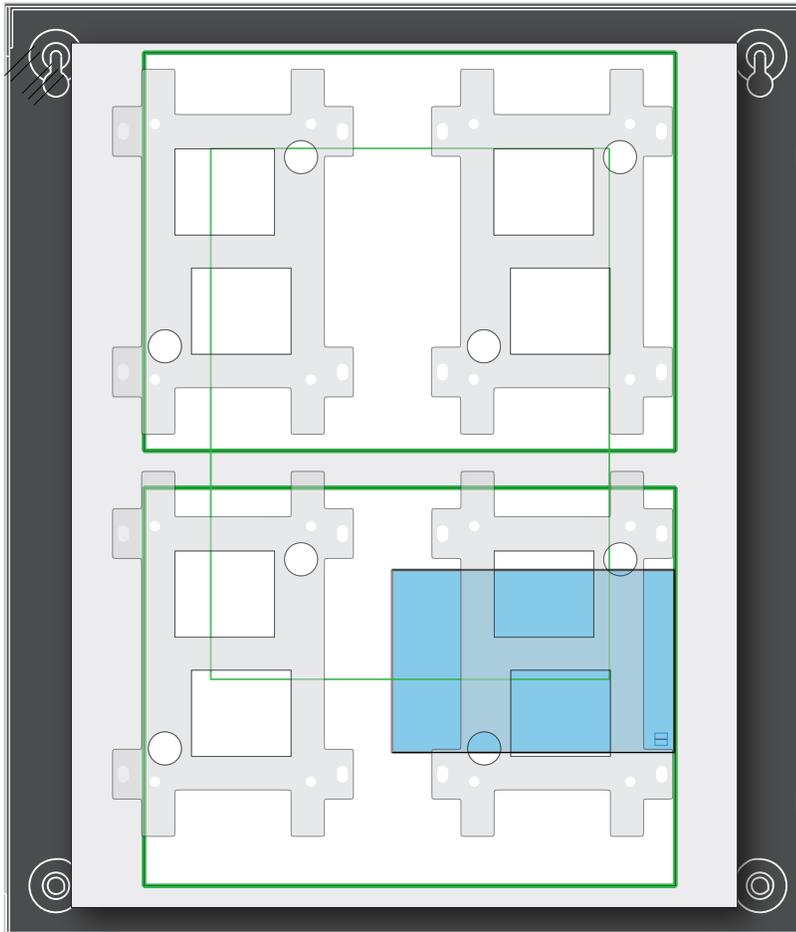


**E1M Mercury Mounting Guide**

Mercury	Slots w/Power	Slots all Mercury
LP1502 / 4502	1	2
MR16in / MR16out	1	2
MR50	1	1
LP1501 / MR51e	3	4

**Enclosure Features**

- ◆ Custom Backplate
  - LSP power modules pre-wired in top area
  - One EP1502 controller or up to three POE controllers
- ◆ Mechanical
  - 4.5" cabinet depth
  - Removable door with "fast disconnect" ground strap
  - Multiple knockouts all four sides
  - Network module mounting holes for field upgrade



**(4) slots**



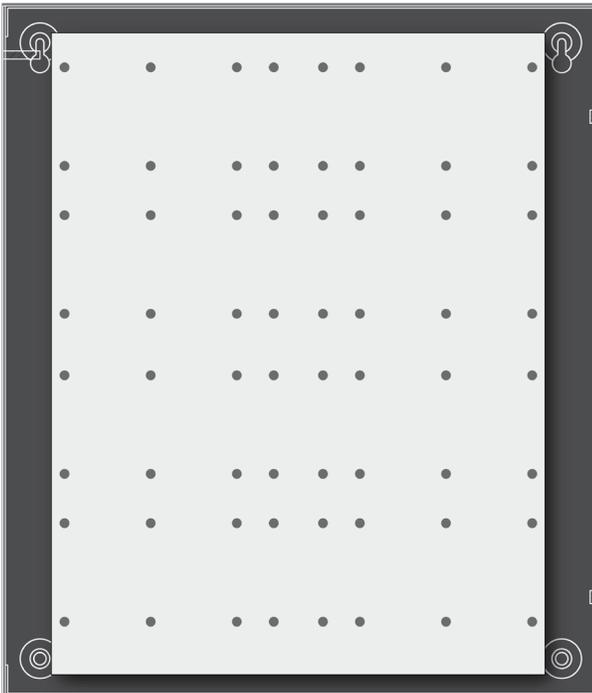
**(1) slot**



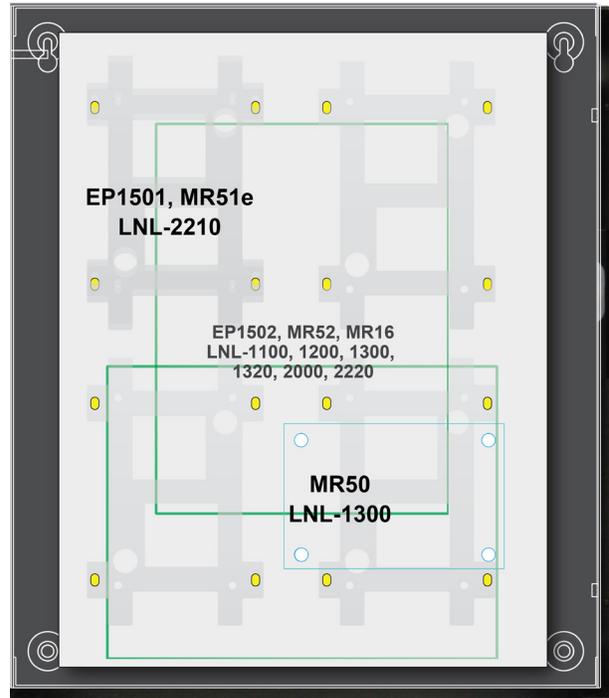
**EP/MR52  
(2) slots**

## BACKPLATE MOUNTING PATTERNS

Hole pattern for FlexPower modules

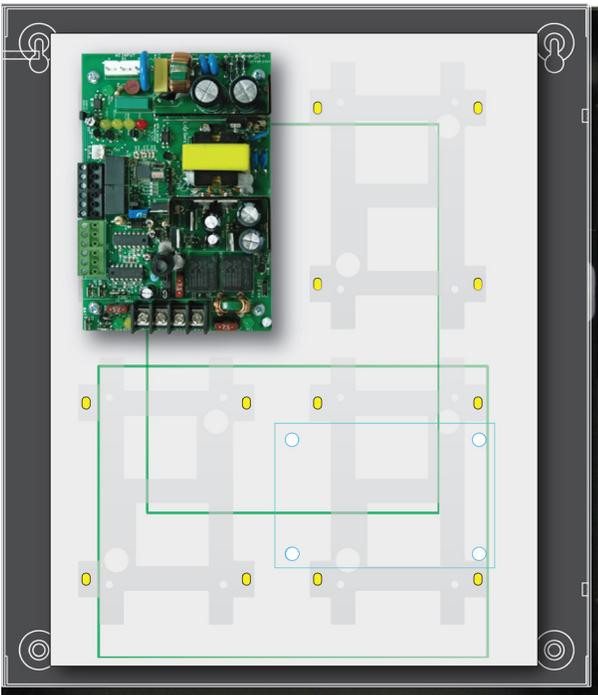


Hole pattern for Mercury access hardware



## TYPICAL SYSTEM CONFIGURATIONS

Power up to three PoE controllers



◆ FP075-E1M

12 and 24VDC power



◆ FP075-B100C4PE1M

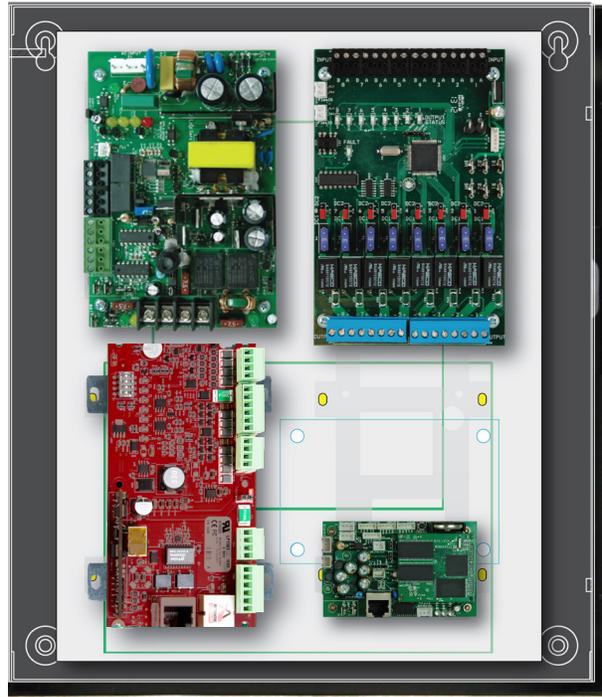
**TYPICAL SYSTEM CONFIGURATIONS**

*Two door with 4 relay control outputs*



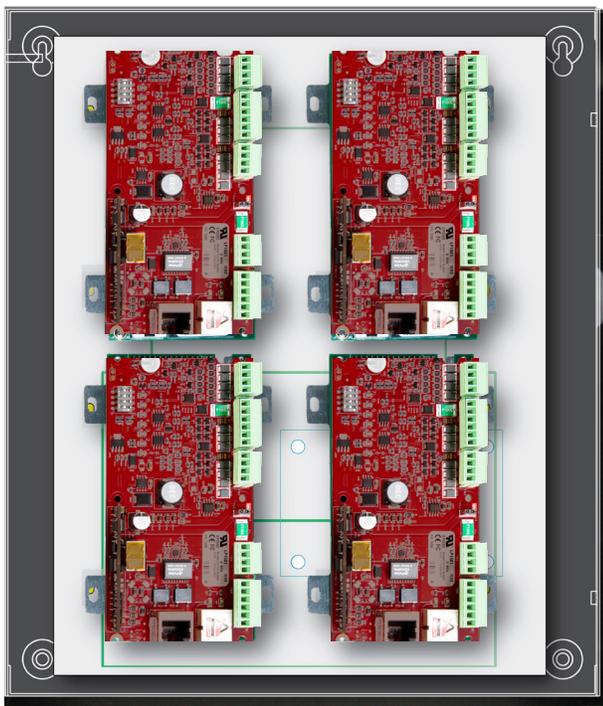
◆ FP075-C4PE1M

*Remote monitoring and 8 relay control outputs*



◆ FP075-M8NL4E1M

*Backplate fits up to four LP1501 sized boards*

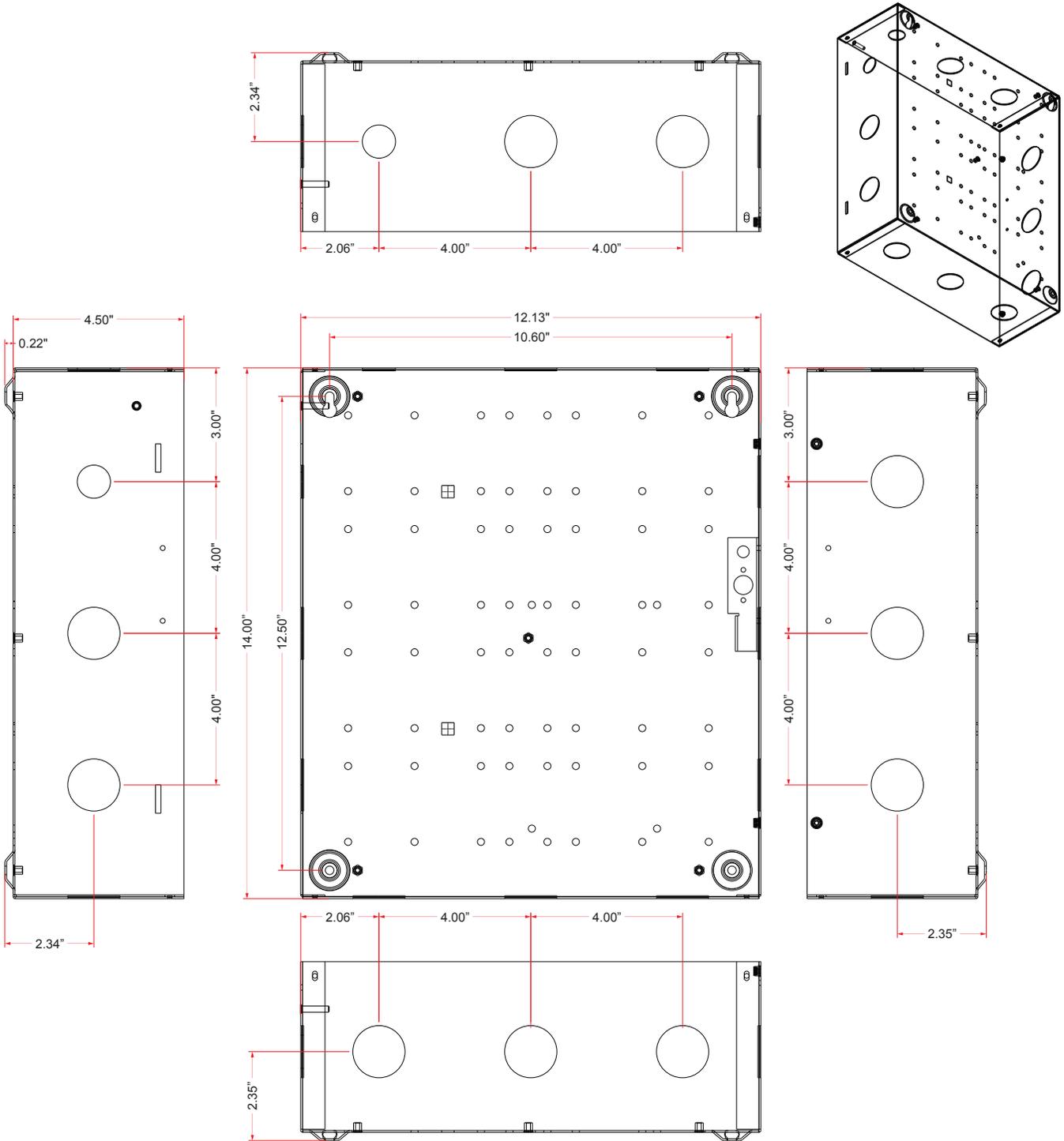


*Backplate houses one MR52 sized board in vertical position*



# E1 Enclosure Dimensions (H x W x D)

14.00" x 12.00" x 4.50" (36 x 31 x 11.4 cm)



**[lifesafetypower.com](http://lifesafetypower.com)**

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