

## Controller Enclosure - Medium

### Product Data Sheet



The ButterflyMX Controller Enclosure – Medium gives installers a standardized, professional solution for mid-sized multifamily, commercial, and multi-floor controller deployments. By consolidating enclosure, mounting, power, and wiring organization into one orderable system, it reduces custom design work, installation time, missing components, wiring errors, and future service calls while creating a cleaner, more secure, and easier-to-maintain installation.

Designed for five to ten doors, the enclosure includes a backplane, an integrated 12VDC, 10A power supply/charger, and an eight-output PTC- or glass-fuse-protected power distribution module. It accommodates up to five ButterflyMX 2-Door Controllers, with an organized layout that simplifies controller mounting, field wiring, cable management, power distribution, troubleshooting, and ongoing service access.



Controller Enclosure - Medium

*ButterflyMX 2-Door Controllers are not included*

### Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates up to five (5) ButterflyMX modules:
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/7AH batteries
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
  - UL: UL294 - Access Control System
  - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- Lifetime Warranty\*

*\*Altronix Power Supply/Chargers and Sub-Assemblies only*



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#### Specifications

##### Power Supply (eFlow102NB):

###### Input

|            |                    |
|------------|--------------------|
| Voltage    | 120VAC, 60Hz, 3.5A |
| Input Fuse | 5A/250V            |

###### Output

|            |                                                |
|------------|------------------------------------------------|
| Voltage    | 12VDC @ 10A                                    |
| Auxiliary  | 1A (unswitched).                               |
| Protection | Overvoltage protection. Filtered and regulated |

##### Battery Charging

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| Capacity | 12VDC/12AH (4 within enclosure)<br>40AH/65AH (requires separate enclosure) |
|----------|----------------------------------------------------------------------------|

|          |                              |
|----------|------------------------------|
| Type     | Sealed lead acid or gel type |
| Failover | Upon AC loss, instantaneous  |

Batteries are sold separately

##### Fire Alarm Disconnect

|            |                          |
|------------|--------------------------|
| Supervised | Latching or non-latching |
| EOL        | 10K Resistor             |

##### Supervision

|            |                   |
|------------|-------------------|
| AC Failure | Form "C" contacts |
| Battery    | Form "C" contacts |

##### Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

##### Indicators (LED)

|           |                             |
|-----------|-----------------------------|
| AC Input  | 120VAC is present           |
| DC Output | Powered                     |
| Battery   | Discharged or not connected |

##### Power Distribution Module (PD8ULCB):

###### Input

|         |                       |
|---------|-----------------------|
| Voltage | 12VDC from eFlow102NB |
|---------|-----------------------|

###### Outputs

|         |       |
|---------|-------|
| Voltage | 12VDC |
| PTCs    | 2.5A  |

###### Indicators (LED)

|           |           |
|-----------|-----------|
| Green LED | DC Output |
|-----------|-----------|

##### T2BXK5F10PD Kit:

##### Agency Listings

|    |                     |
|----|---------------------|
| CE | European Conformity |
|----|---------------------|

##### Physical and Environmental

###### Dimensions (H x W x D)

|            |                                                     |
|------------|-----------------------------------------------------|
| Enclosure: | 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm) |
|------------|-----------------------------------------------------|

|           |                                                       |
|-----------|-------------------------------------------------------|
| Shipping: | 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm) |
|-----------|-------------------------------------------------------|

###### Weight (approx.)

|          |                      |
|----------|----------------------|
| Product  | 39.6 lb. (18 kg)     |
| Shipping | 43.35 lb. (19.66 kg) |

###### Temperature

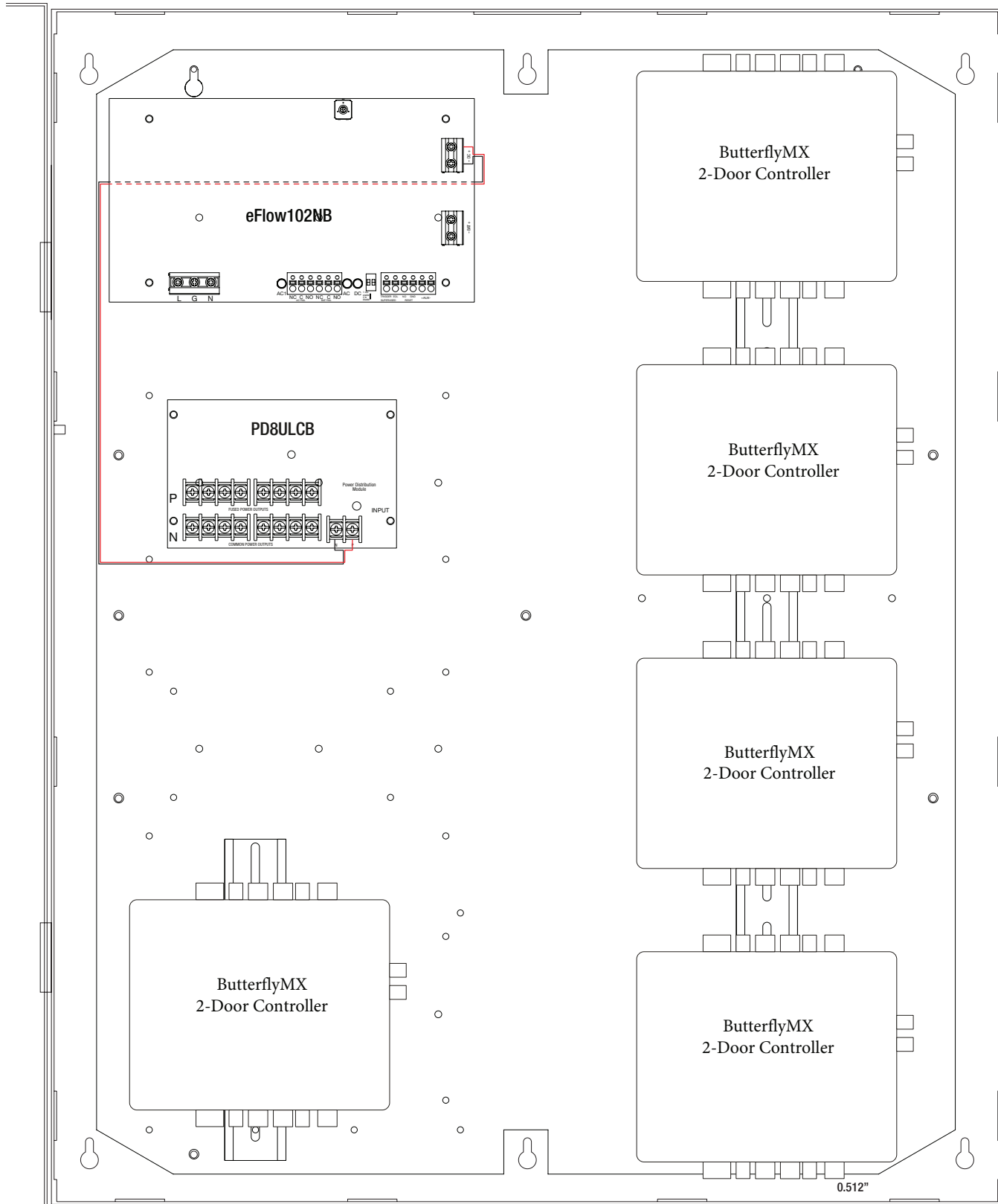
|           |                               |
|-----------|-------------------------------|
| Operating | 0°C to 49°C (32°F to 120°F)   |
| Storage   | -20°C to 70°C (-4°F to 158°F) |

###### Relative Humidity

85% +/- 5%

###### BTU/Hr (approx.):

61 BTU/Hr.



## Dimensions and Drawing

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

