

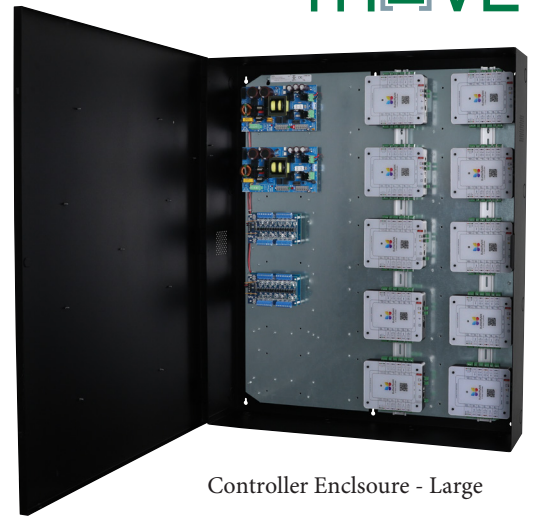
Controller Enclosure - Large

Product Data Sheet



The ButterflyMX Controller Enclosure – Large gives installers a standardized, professional solution for large multifamily, commercial, and multi-tenant access-control deployments. By consolidating controllers, power, distribution, and wiring organization into one secure enclosure, it reduces custom engineering, installation labor, electrical-room clutter, wiring errors, and future service calls while creating a cleaner, more consistent, and easier-to-maintain installation.

Designed for up to twenty doors, the enclosure includes a backplane, two integrated 24VDC, 10A power supply/chargers, two 16-output PTC or glass-fuse protected power distribution modules, and two voltage regulators. It accommodates up to ten 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 - Large

ButterflyMX enclosures are not included

Key Features

- Two (2) 24VDC power supply/chargers
- Accommodates up to ten (10) 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*

Specifications

Two (2) Power Supplies (eFlow104NB):

Input

Voltage	120VAC, 60Hz, 4.5A max.
Input Fuse	6.3A/250V

Outputs

Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated

Battery Charging

Capacity	12VDC/12AH (4 within enclosure) 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 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

Two (2) Voltage Regulators (VR6):

Input

Voltage	24VDC from eFlow104NB
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Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Two (2) Dual Input Power Distribution Modules (PDS16CB):

Input

Voltage	24VDC from eFlow104NB and 12VDC from VR6
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Input PTCs

9A

Outputs

Voltage	12VDC and/or 24VDC
Any of the sixteen (16) power outputs are selectable to follow power Input 1 or Input 2	
Individual outputs may be set to OFF position for servicing	
Output PTCs	2.5A

Indicators (LED)

DC Output	Sixteen (16) individual output LEDs
Green:	12VDC
Red:	24VDC

T3BXK77F20PD Kit:

Agency Listings

CE	European Conformity
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Physical and Environmental

Dimensions (H x W x D)

Enclosure:	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)
Shipping:	40.75" x 35.25" x 12" (1035.1mm x 895.4mm x 304.8mm)

Weight (approx.)

Product:	84.2 lb. (38.2 kg)
Shipping:	97.5 lb. (44.22 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.):

246 BTU/Hr.



Dimensions and Drawing

Dimensions (H x W x D approximate)

36.12" x 30.12" x 7.06" (917.5mm x 768.1mm x 179.3mm)

