

Controller Enclosure - Small

Product Data Sheet



The ButterflyMX Controller Enclosure–Small gives installers a standardized, professional way to deploy ButterflyMX access control at gates, garages, guard shacks, detached buildings, and other small or remote entrances. By combining enclosure, mounting, power, and wiring organization into one solution, it reduces custom design work, installation time, missing components, wiring errors, and future service calls while delivering a cleaner, more secure installation.

Designed for one to four doors, the NEMA-rated enclosure includes a backplane, an integrated 12VDC or 24VDC, 4A power supply/charger (factory set to 12VDC) and a four-output PTC- or glass-fuse-protected power distribution module. It accommodates up to two ButterflyMX 2-Door Controllers, or one 2-Door Controller and one ButterflyMX Cellular Router, with an organized layout that simplifies mounting, field wiring, cable management, and service access.



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ButterflyMX 2-Door Controllers are not included

Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates up to two (2) ButterflyMX 2-Door Controllers:
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
 - Low power shutdown
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure NEMA4/4X, IP66 rated enclosure
- Hot compression molded, halogen free, self extinguishing fiberglass reinforced polyester
- Stainless steel continuous hinge and stainless steel padlockable latches
- Integral flanges simplify wall or pole mounting
- Agency Listings:
 - CE European Conformity
- Lifetime Warranty*

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



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Specifications

Power Supply (eFlow4NB):

Input

Voltage	120VAC, 60Hz, 3.5A
Fuse Rating	5A/250V

Output

Voltage	12VDC or 24VDC
Current	4A continuous
Other	Overvoltage protection. Filtered and regulated

Battery Charging

Capacity	12VDC/7AH (2 within enclosure) 40AH/65AH (requires separate enclosure)
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Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

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)

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

Power Distribution Module (PD4ULCB):

Input

Voltage	12VDC from eFlow4NB
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Outputs

Voltage	12VDC
Output PTCs	2.5A

Indicators (LED)

Green LED	DC Output
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T1BXWP1F4D Kit:

Agency Listings

CE	European Conformity
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Physical and Environmental

Dimensions (H x W x D)

Enclosure:	17.53" x 15.3" x 6.67" (445.3mm x 388.6mm x 169.4mm)
Shipping:	21.375" x 14.5" x 9.5" (542.9mm x 374.7mm x 241.3mm)

Weight (approx.)

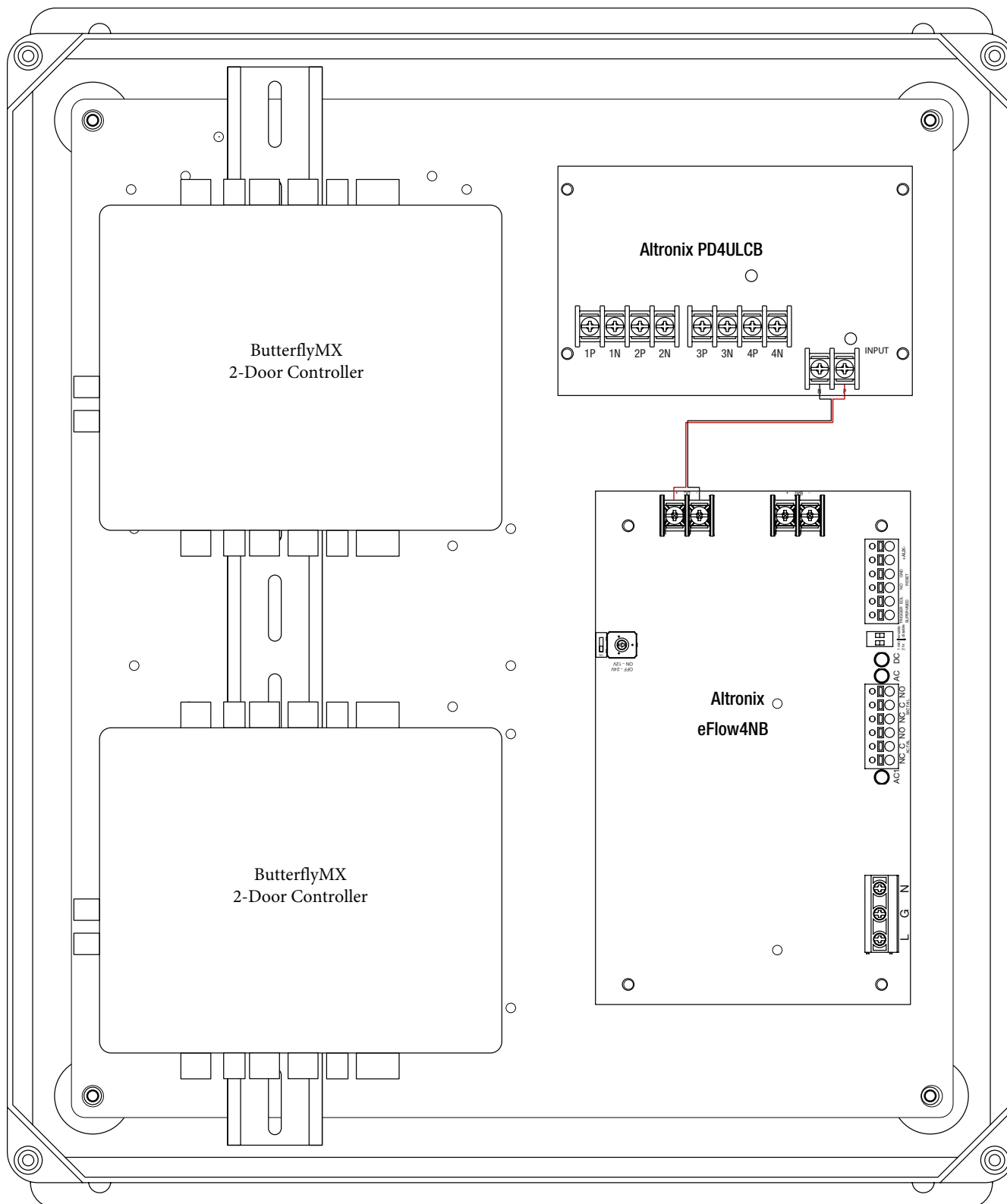
Product	13.9 lb. (6.3 kg)
Shipping	15.4 lb. (7.0 kg)

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%
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BTU/Hr (approx.):	12VDC: 46 BTU/Hr.
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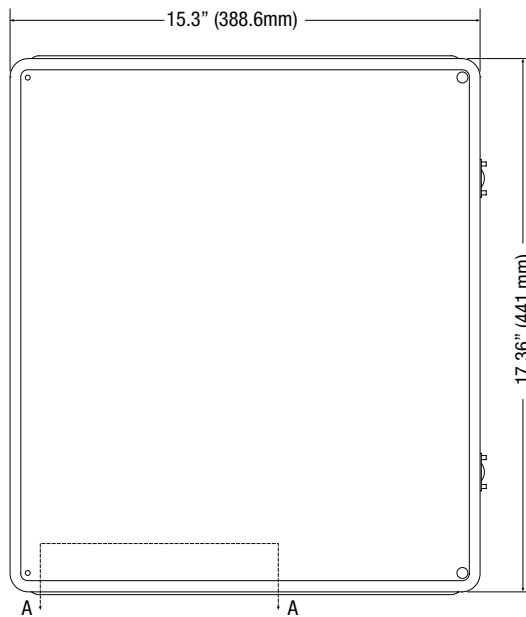


Dimensions and Drawing

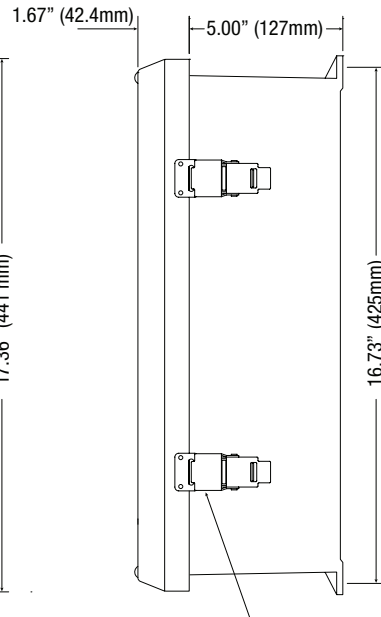
Dimensions (H x W x D approximate)

17.53" x 15.3" x 6.67" (445.3mm x 388.6mm x 169.4mm)

FRONT VIEW

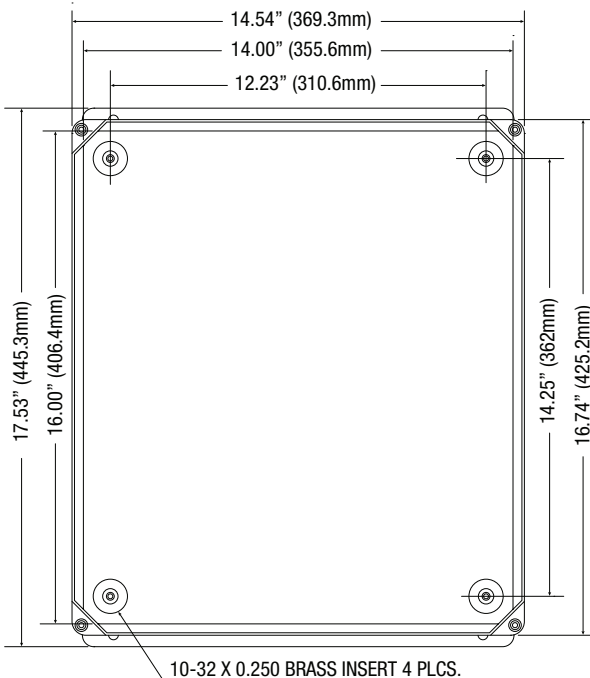


RIGHT SIDE VIEW



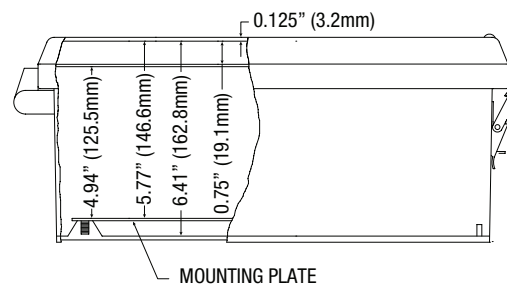
316 STAINLESS STEEL PADLOCK LATCH
ATTACHED WITH RIVETS. Ø 0.375 PADLOCK EYE

FRONT VIEW COVER REMOVED



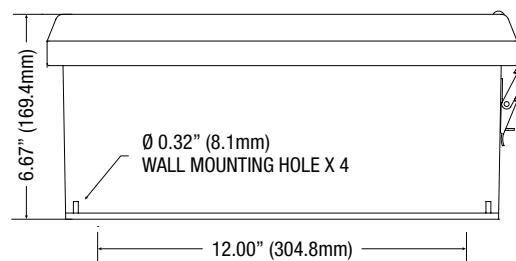
10-32 X 0.250 BRASS INSERT 4 PLCS.

SECTION A-A



MOUNTING PLATE

END VIEW



Ø 0.32" (8.1mm)
WALL MOUNTING HOLE X 4