

T1M1CK1DQ (Pre-wired Kit)

Access and Power Integration Solution for Mercury



Altronix T1M1CK1DQ is a 4-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Mercury* hardware. This unit provides ample power and dual voltage outputs to support Mercury platform controllers and locking devices. The T1M1CK1DQ accommodates one (1) Intelligent Dual Reader Controller and one (1) Dual Reader Interface Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

*Also compatible with these authentic Mercury partners:

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T1M1CK1DQ - includes eFlow4NB, VR6, LINQ8PDCB, wire harnesses and wire magnets

Mercury modules are not included

Key Features

- Accommodates the following Mercury controllers:
 - 1 - LP1502 / LP4502 and 1 - MR52
- Convenient knockout configuration:
 - One (1) knockout - 1-1/2" Conduit
 - Nine (9) double knockouts - 3/4" Conduit and 1" Conduit
- Unit includes:
 - Removable backplane
 - Wire management
 - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
 - CE European Conformity
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- Lifetime Warranty*

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

Accessories (order separately)



WM5

WM5, WM25, WM100 - Magnetic Cable Tie Mounts

Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.



Mounting Magnet

MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.

Specifications**Power Supply (eFlow4NB):****Input**

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

Output

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

Battery Charging

Capacity	7AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
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

Voltage Regulator (VR6):**Input**

Voltage	24VDC from eFlow4NB
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Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Network Power Distribution Module (LINQ8PDCB):**Input**

Voltage	24VDC from eFlow4NB and 12VDC from VR6
Input PTCs	9A

Outputs

Any of the eight (8) PTC protected 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

Status Monitoring

Power Supply output voltage and load, Voltage and load of each output
FACP trigger and reset status, Unit temperature (Celsius)
Power Supply AC and Battery status, Battery health

Reporting:

Windows Dashboard Alert messages
E-mail notifications, Event Log tracks history

Indicators (LED)

Bat Local	Charging current status
FACP	Triggered / Released
Input	Input signal
Out1 - Out8	Output status

T1M1CK1DQ Kit:**Agency Listings**

CE	European Conformity
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Physical and Environmental**Dimensions (H x W x D)**

Enclosure:	18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
Shipping:	21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

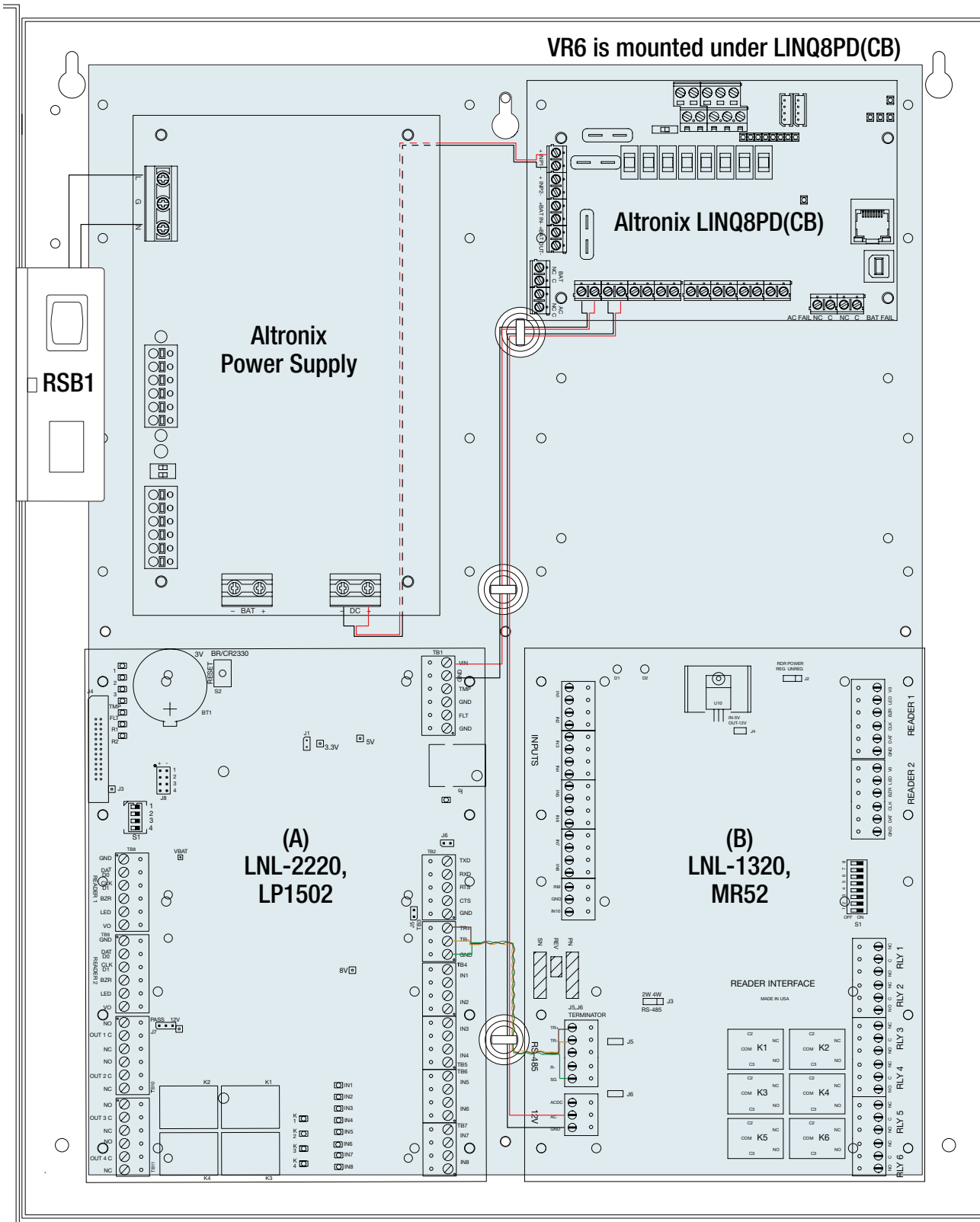
Product	18.0 lb. (8.17 kg)
Shipping	22.0 lb. (9.98 kg)

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.):	90 BTU/Hr.

VR6 is mounted under LINQ8PD(CB)



Dimensions and Drawing

Dimensions (H x W x D approximate)

18.0" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.5mm)

