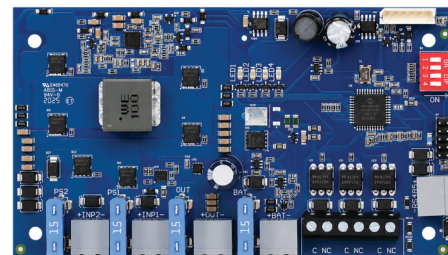


ReServ24B

Automatic Power Transfer Switch with Built-in Rapid Battery Charger (24VDC)

RE.SERV

Altronix ReServ24B provides redundancy and rapid charging of back-up batteries. It is perfect for critical applications where constant power isn't available (switched power) or faster battery charging is required. ReServ24B supports two (2) 24VDC power supplies and automatically transfers from the first power input to the secondary without delay, ensuring that system security is maintained. When power is restored, it's routed to the devices first power input and any excess is used to rapidly recharge the batteries. ReServ24B can be added to any existing or new security/access system to keep systems operating.



ReServ24B

Specifications

Dual Input

Inputs Voltage	23-28VDC, up to 10A each
Inputs Fuses	15A/32V

Output

Voltage	22-24VDC up to 10A each
Output Fuse	15A/32V

Battery Charging

Type	LiFePO ₄ , sealed lead acid or gel type Charges 24V batteries
Current	1A, 2A, 4A, or 6A selectable operation
Failover	Upon AC loss, instantaneous
Battery Fuse	15A/32V

Batteries are sold separately

Indicators (LED)

Green	Feed from power supplies (Inputs)
Red	Feed from battery
Blue	Operation/Component/Fuses

Supervision

Relays NC	1A @ 28V
Relay 1	Input 1 status
Relay 2	Input 2 status
Relay 3	Battery status

LINQ™ Technology

Interfaces via LINQ2 module
Provides DC input status, Battery status,
Output Voltage, and Output Current

Applications

- Redundancy: If both INP1 and INP2 are present, the higher voltage powers the output and the charging circuit. If it is disconnected or low, the other input is automatically routed to the output and battery charging.
- If battery discharges below 20V, the output is disabled (either DC input or both will be needed to restart)
- If both DC inputs are low or missing and just the battery is connected, the unit will startup from the battery

Physical and Environmental

Dimensions (L x W x H)

Board:	5.5" x 3" x 1" (139.7mm x 76.2mm x 25.4mm)
Shipping:	10" x 8" x 4" (254mm x 203.2mm x 101.6mm)

Weight (approx.)

Product Weight:	0.65 lb. (0.29 kg)
Shipping Weight:	0.85 lb. (0.38 kg)

Temperature

Operating:	- 20°C to 49°C (- 4°F to 120°F)
Storage:	- 20°C to 70°C (- 4°F to 158°F)

Relative Humidity	20 to 85%, non-condensing
BTU/Hr. (approx.)	34.1 BTU/Hr.

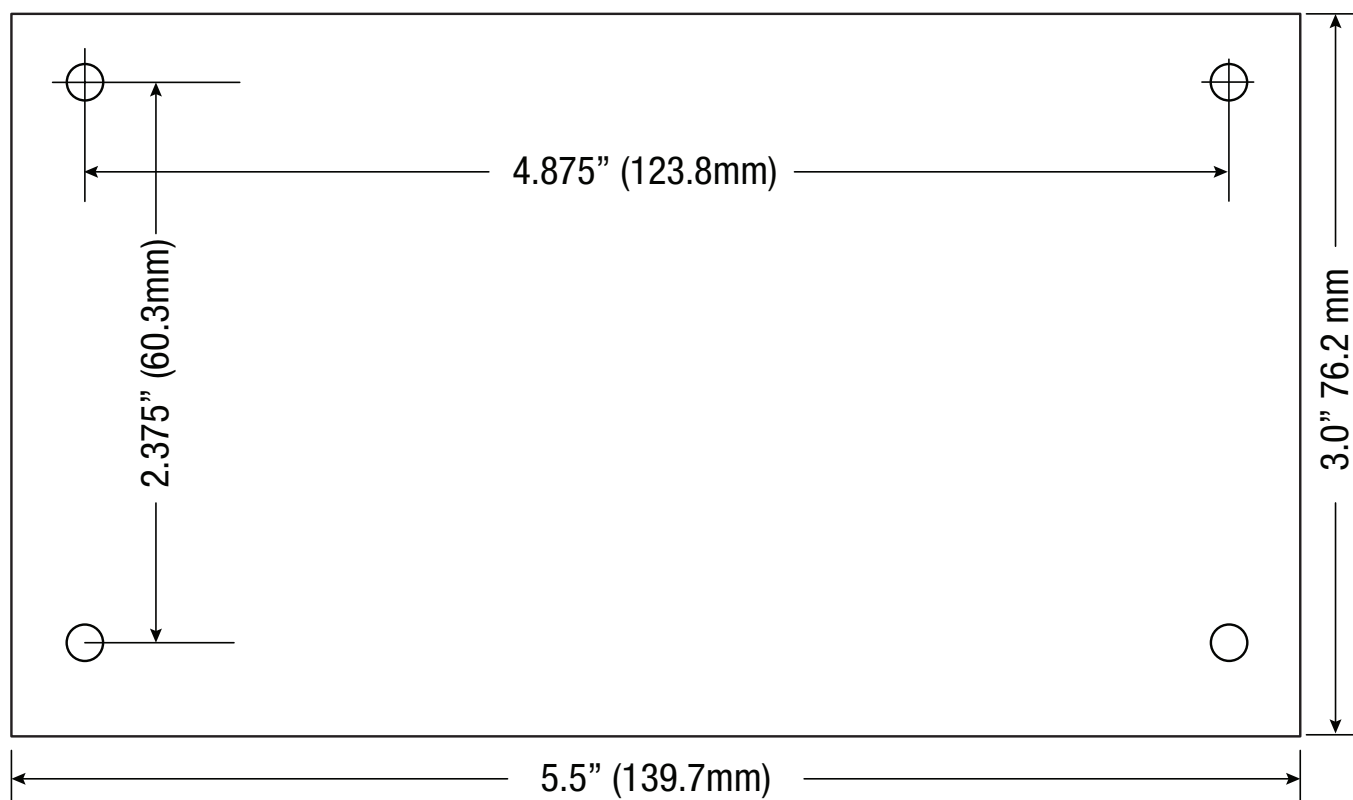
Lifetime Warranty

Dimensions and Drawing

Board Dimensions (L x W x H approximate)

5.5" x 3" x 1" (139.7mm x 76.2mm x 25.4mm)

Mounting Holes' Tolerance: +/- 0.04 in. (1mm)

**Lifetime Warranty**

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA

phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com