



In or Out... we make it Easy!

	No Relay		With Fire Panel Disconnect	
Model	1012NR-1A	1024NR-1A	1012FPD-1A	1024FPD-1A
Power Input	120V, 60Hz			
Current Output	600 mA, 40VA	775 mA, 40VA	600 mA, 40VA	775 mA, 40VA
Voltage	12VDC	24VDC	12VDC	24VDC

* UL Tested @ 0.6 p.f.

Installation

The RCI 10 Series are for use in a controlled environment. **Installation must be in accordance with all electrical building and fire codes. Check with the Authority Having Jurisdiction (AHJ) prior to installation.** The RCI 1012 and 1024 supply solid state regulated DC power.

Features

Filtered Output Voltage

Maximum AC ripple at full load .280vrms

97.5% Regulation

Short Circuit Protection

The short circuit protection relay prevents damage to the power supply board in the event of a short circuit.

Fuse Protection

The power supply board and transformer are protected by a 1 Amp fast blow fuse located on the Printed Circuit Board.

LED

The green indicator lamp on the cover indicates the presence of AC voltage.

Provisions for External Fire Panel Contacts, Reset Contacts and Manual Override Switch.

Options: *Battery Backup, Timer Modules*

Cabinet Mounting

Four keyholes are provided on the back of the power supply cabinet for mounting.

Wiring

- AC power connection to the power supply is made to the primary transformer leads as shown in Fig. 1 and 2.
- With NR models, the external load (ie. magnetic lock or strike) is connected to TB1-1 (negative) and TB1-2 (positive).
- For the FPD model connection of an external reset switch, fire panel disconnect switch, or manual override switch refer to the separate PDD-FT installation instruction application diagrams

2-Year Limited Warranty

We will guarantee our products to the original purchaser against defects in workmanship, materials or operation subject to ordinary wear and tear as it pertains to particular installations, No unauthorized person may attempt repair or tamper with the product.

We assume no liability for consequential or indirect loss or damage to persons or property as a malfunction or non function of this product.

We will not warrant against defects due to improper installation or for uses that our products are not intended. Our only liability under this warranty is to repair, replace or refund the original purchase price of the product which has been returned to us with prior authorization and proof of purchase. No other guarantee is authorized by or on behalf of Rutherford Controls Int'l Corp.

Troubleshooting

Problem No DC voltage

Possible Cause Absence of AC power input to supply
Solution Turn breaker on

Possible Cause PDDFT N/ON not energized
Solution Reset power supply

Possible Cause Negative side of power supply not reaching relay
Solution Check external switch wiring

Possible Cause Blown Fuse
Solution Replace 1 Amp Fuse

Problem AC indicator light will not stay on

Possible Cause Absence of AC power input to supply
Solution Turn breaker on

Problem Low voltage at electric lock

Possible Cause Voltage drop in cabling
Solution Ensure that wire runs use appropriate cable gauge

10 Series Power Supply Installation Instructions (Continued)

Fig. 1 No Relay Model in 10" x 10" x 4" deep enclosure.

NOTE:

- Maintain a minimum clearance of 1/4" between power limited and non-power limited circuits.
- We recommend that all connected devices be UL Listed.
- Prior to using battery back-up, check with AHJ to ensure code compliance.
- All Class I wiring into the unit must meet ANSI/NFPA 70.

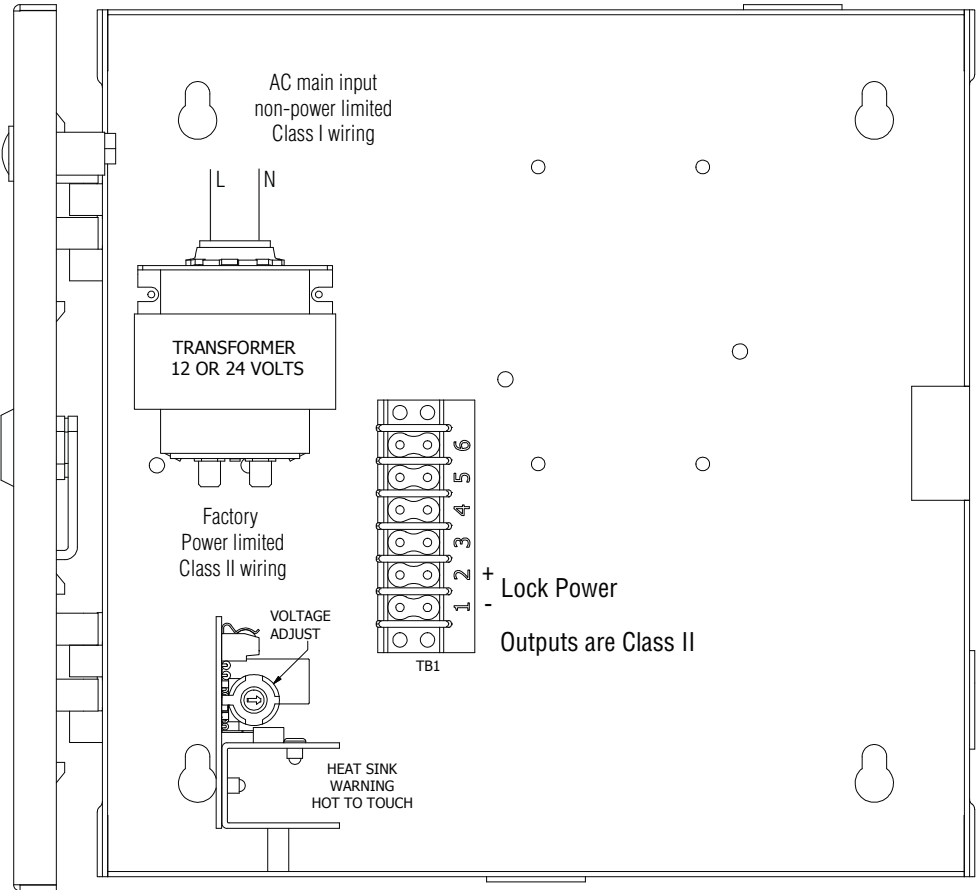


Fig. 2 Fire Panel Disconnect Model in 10" x 10" x 4" deep enclosure

NOTE:

- Maintain a minimum clearance of 1/4" between power limited and non-power limited circuits.
- We recommend that all connected devices be UL Listed.
- Lock output relays on PDD-FT are separately energized
- Prior to using battery back-up, check with AHJ to ensure code compliance.
- Wiring from the Fire Panel Interface Module to be in accordance with NFPA 101, Section 7.6.1.6.2.
- All Class I wiring into the unit must meet ANSI/NFPA 70.
- Building codes require free egress.

