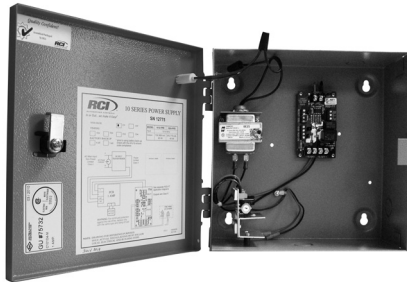




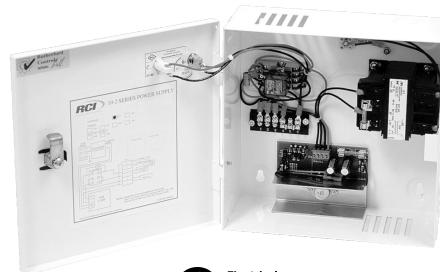
*In or Out... we make it Easy!®*



### 1 Amp

Box Size: 10-1/4"H x 101/4"W x 4"D  
(260.4mm x 260.4mm x 101.6mm)

1012NR-1A/1012FPD-1A 12VDC – 1 Amp  
1024NR-1A/1024FPD-1A 24VDC – 1 Amp



### 2 Amp

Box Size: 10-1/4"H x 101/4"W x 4"D  
(260.4mm x 260.4mm x 101.6mm)

1012FPD-2A 12VDC – 2 Amp  
1024FPD-2A 24VDC – 2 Amp

## Features & Benefits

- Instant Unlock upon AC failure\* (FPD Only)
- Filtered, regulated DC Output
- Short Circuit Protection
- Adjustable Output Voltage
- Fuse Protection
- Fire Panel Disconnect\* (FPD Only)
- Remote override reset capability\* (FPD Only)
- Exceeds safety codes
- Optional battery backup and time delay
- Manual Override output\* (FPD Only)

\* Required by National Building Code when used with Electromagnetic locks

## Power Supplies

RCI's filtered and regulated 10 Series DC Power Supplies are designed with safety and reliability in mind, especially when it comes to electro-magnetic locks. FPD models incorporate many life safety features required by the National Building Code such as fire panel disconnect, instant unlock upon power failure and remote override reset capabilities for authorized personnel.

Standard features include universal knock-outs and built-in battery charging circuits.

## Highlights

- Reliable
- Low maintenance
- Modular design
- Exceeds safety codes
- 2-year limited warranty

## Applications

- To power access control systems
- To power electric locking systems

## Options

### Battery Backup

BB12-4..... 12VDC 4AH Battery Backup  
BB12-7..... 12VDC 7AH Battery Backup  
BB24-4..... 24VDC 4AH Battery Backup  
BB24-7..... 24VDC 7AH Battery Backup

### Other

LOC10 ..... Lockable Box Option  
9310RB..... 12/24VDC 10 Amp Relay Board

### Time Delay

TD1 .....Delayed Unlock – Manual Relock

**NFPA-101** - Special Locking Arrangement. This timer will initiate an irreversible process that will release the lock within 15 seconds (adjustable 0.5 - 15 seconds). Relocking must be done manually by actuation of a reset switch.

TD2.....Delayed Unlock – Auto-Relock

This two stage time delay option provides the same function as the TD1, only, instead of manual relock, the door locks again automatically after the specified (adjustable) period of time.

TD3.....Instant Unlock – Delayed Auto-Relock

Upon actuation of a momentary switch (e.g. push button, key switch, keypad) the door unlocks immediately and automatically relocks after a preset (adjustable) period of time has elapsed.

TD4.....Nuisance Delay – Manual-Relock

**NFPA-101** - Special Locking Arrangement. This timer will not energize unless it is manually held for 3 seconds continually. After 3 seconds, a 12 second irreversible delay is initiated, the door unlocks and must be manually relocked.

# Specifications

1012NR-1A/1024NR-1A, 1012FPD-1A/1024FPD-1A

10 Series Power Supplies

1012FPD-2A, 1024FPD-2A



*In or Out... we make it Easy!®*

NOTE: Not to scale. Specifications are subject to change without notice.

## Features and Benefits of 10 Series Power Supplies

Features	Benefits	FPD-1	FPD-2	NR-1
Filtered DC Output	If the DC voltage is not filtered, the result will be reduced holding force or intermittent buzzing or humming. Most electronic equipment requires a filtered (clean) input to ensure reliable operation.	√	√	√
Regulated DC Output	The DC output voltage will remain constant with changes in load (resistance).	√	√	√
Adjustable Output Voltage	The DC output is adjustable to compensate for line loss that can be encountered in long wire runs.	√	√	√
Short Circuit Protection	Short circuit protection is provided by both a Fuse (located on the printed circuit of the power supply), and a short circuit protection relay. In the event of a short circuit between the positive and negative output of the power supply, the short circuit relay will de-activate, opening its contacts, removing power to the electric locking device. The fuse provides back-up protection to the relay.	√	√	√
Fuse Protection	The power supply has a backup fast blow fuse located on the Printed Circuit Board.	√	√	√
Fire Panel Disconnect*	Provision is made for fire panel disconnect.			
Instant Unlock Upon Power Failure*	Magnetic locks will release instantly upon failure of AC power source.	√	√	
Manual Override Output*	Provision is made for a manual override output connections on the terminal block located inside the power supply housing. This switch disconnects the DC voltage from the output when the switch is opened.	√	√	
Reset Switch*	The FPD-2 has a momentary action reset switch installed on the cover. This switch can be paralleled with a remote reset switch. The purpose of the reset switch is to reset the short circuit and DC power output relay located in the power supply housing. The FPD-1 has reset input.	√	√	
Built-In Battery Charger	The built in battery charger has a low battery disconnect to prevent deep discharge of backup batteries. Automatic switch-over to battery in the event of an AC power failure. With FPD-1 and FPD-2, the fire alarm panel will disconnect the batteries to allow instant release in the event of a fire.	√	√	√
Power Lamp Indicator	A green DC power indicator lamp is mounted on the FPD-2 cover, to show the presence of DC voltage on the output. The FPD-1 and NR-1 have a green AC input power indicator lamp mounted on the cover.	√	√	√
Listings	NR-1 and FPD-1 are UL Listed power supplies for access control to UL294 and CSA 22.2 No.205. FPD-2 is tested and approved by the Electrical Safety Authority.	<b>UL cUL</b>	<b>ESA</b>	<b>UL cUL</b>

NOTE: Specifications are subject to change without notice.

\*National Building Code (Canada) when used with electromagnetic locks.

RCI also offers a complete line of Electromagnetic Locks, Electric Strikes, Electric Locks, Power Supplies, Switches, Keypads & Readers, Exit Devices, Systems & Door Hardware.