

# RCI Electronic Access Controls Product Catalog

## Power Supplies



# RCI Power Supplies



## DKPS-2A Power Supply

13- 5/16" x 17- 5/8" x 4- 5/16" (338mm x 448mm x 110mm)

	Energy Field-Selectable 2A at 12 or 24VDC		Warranty Lifetime Limited Warranty
---	---	---	--

- Input = 100-240VAC, 50-60Hz. 2.4A Max. draw
- Output 2 Amps continuous supply current at Nominal 12/24 VDC
- 4 outputs each, with electronic over-current protection set at 2 Amp
- Built-in dedicated charger for sealed lead acid or gel cell type batteries
- Battery load and charge test every 48hr
- Battery Reversal protection
- Low Battery indication at 11.40/22.80 Volts
- Low Battery disconnect at 10.10/20.30 Volts
- Automatic switch over to stand-by battery upon AC Failure
- Common "Batt.Fault" CMOS relay and indicator for all battery and charger fault. 30VDC @ 60mA
- CMOS relay output and indicator for AC failure within 60 seconds. 30VDC @ 60mA
- LEDs display on enclosure door (Green, Yellow, Blue)
- Common "Out Fault" CMOS relay for DC failure on any of the 4 outputs. 30VDC @ 60mA
- Battery charging leads included
- FPDB (Fire Panel Disconnect Board) standard
- Tamper switch available (optional, but required when installation must meet UL294 Edition 6 or higher)



## DKPS-4A Power Supply

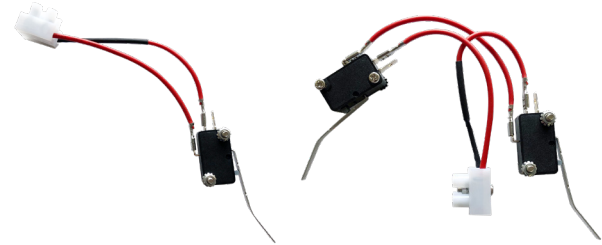
12-1/2"W x 12-1/2"H x 4"D (318mm x 318mm x 102mm)

	Energy Field-Selectable 4A at 12 or 24VDC		Warranty Lifetime Limited Warranty
---	---	---	--

- Input = 100-240VAC, 50-60Hz. 1.8A Max. draw, fuse at 4 Amp
- Output 4 Amps continuous supply current Power Factor 0.6 at Nominal 12/24 VDC
- 8 outputs rated at 2.0 amps Max
- Built-in dedicated charger for sealed lead acid or gel cell type batteries
- Battery load and charge test every 48hr
- Battery Reversal protection
- Low Battery indication at 11.40/22.80 Volts
- Low Battery disconnect at 10/20.2 Volts
- Automatic switch over to stand-by battery upon AC Failure
- Common "Batt.Fault" CMOS relay and indicator for all battery and charger fault. 30VDC @ 60mA
- CMOS relay output and indicator for AC failure within 60 seconds. 30VDC @ 60mA
- LEDs display on enclosure door (Green, Yellow, Blue)
- Battery charging leads included
- FPDB (Fire Panel Disconnect Board) standard
- Tamper switch available (optional, but required when installation must meet UL294 Edition 6 or higher)



# RCI Power Supplies



## DKPS-6A Power Supply

13- 5/16" x 17- 5/8" x 4- 5/16" (338mm x 448mm x 110mm)



Energy Field-Selectable 6A at 12 or 24VDC



Warranty Lifetime Limited Warranty

- Input = 100-240VAC, 50-60Hz. 2.5A Max. draw, fuse at 6 Amp
- Output 6 Amps continuous supply current Power Factor 0.6 at Nominal 12/24 VDC
- 8 outputs rated at 2.0 amps Max
- Built-in dedicated charger for sealed lead acid or gel cell type batteries
- Battery load and charge test every 48hr
- Battery Reversal protection
- Low Battery indication at 11.40/22.80 Volts
- Low Battery disconnect at 10/20.2 Volts
- Automatic switch over to stand-by battery upon AC Failure
- Common "Batt.Fault" CMOS relay and indicator for all battery and charger fault. 30VDC @ 60mA
- CMOS relay output and indicator for AC failure within 60 seconds. 30VDC @ 60mA
- LEDs display on enclosure door (Green, Yellow, Blue)
- Battery charging leads included
- FPDB (Fire Panel Disconnect Board) standard
- Tamper switch available (optional, but required when installation must meet UL294 Edition 6 or higher)

## DKPS-TSW Tamper Switches

The tamper switch is a device that is designed to connect to the DKPS Power Supply. When installed, it signals a warning to authorized personnel if the metal enclosure has been removed from the wall and/or the door is not fully closed or secured.

DKPS-TSW1-02

Tamper switch for DKPS power supply enclosure door

DKPS-TWS2-02

Tamper switch for DKPS power supplies (enclosure door & installation)

Tamper switch is recommended but is required when the entire access control installation must meet UL294 Edition 6 or higher.







# RCI Power Supplies Accessories



## WPDT Wireless Power & Data Transfer

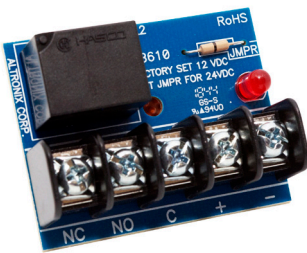
Transfers low voltage power and data signals without the use of hard wires.

	Energy 12VDC/24VDC field selectable		Energy Output amperage 600mA/12VDC 300mA/24VDC
	Energy Maximum input power 600mA @ 24VDC		Warranty 5 Year Limited Warranty

The RCI wireless power and data transfer (WPDT) is an innovative and less intrusive way of wirelessly transferring low voltage power and data signals between a door and frame.

### Features

- Ideal for situations where power cannot be routed to an electric lock in the door.
- Enables less wire runs to various points of the door.
- Eliminates a power transfer hinge or other method of power transfer.
- Two-piece device has an RF receiver and transmitter - transmitter resides on the frame side while the receiver resides in the door.
- For fail secure devices only.
- Power is delivered to the transmitter that transfers power/data wirelessly to the receiver.
- Ability to monitor RX, LBM, DBM (max 2 signals)
- Status indicators (frame & door side).
- Monitoring function(s) report change of state of the lock switches back to a control panel.



## SPDT R9310RB Relay Board

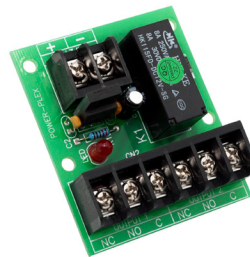
Versatile and reliable board with input-output terminals designed to control low voltage supply.

2" x 1 9/16" x 3/4" (50 x 40 x 19mm)

	Warranty 2 Year Limited Warranty
---	-------------------------------------

### Features

- 12/24 Selectable
- Large screw terminals for ease of wire connection
- LED indicators
- Form "C" SPDT output
- 10A Rated



## DPDT RB-DPDT8A Relay Board

Versatile and reliable board with input-output terminals designed to control low voltage supply.

2 1/2" x 2" x 3/4" (62 x 54 x 19mm)

	Warranty 2 Year Limited Warranty
---	-------------------------------------

### Features

- 12/24 Selectable
- Large screw terminals for ease of wire connection
- LED indicators
- Form "CC" DPDT output
- 8A Rated

# RCI Power Supplies Accessories



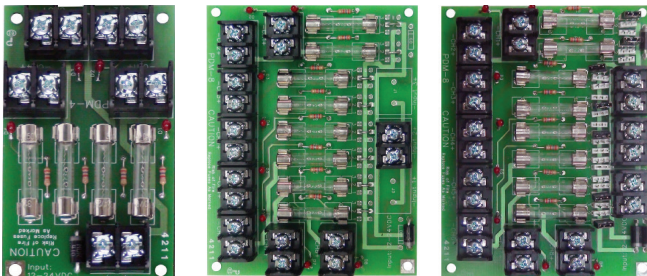
## TD365 Day Timer

3-3/4" W x 4-11/16" H x 1" D  
(95mm x 120mm x 25mm)

2  
Year

Warranty  
2 Year Limited Warranty

- 24 hour, 365 day timer for individual daily events
- 2 momentary or latching SPDT relays to control locks and other electronically controlled devices or
- 40 holidays and 99 user events
- Large alpha-numeric backlit LCD display for easy programming
- Lithium battery included
- "First Person In" feature to prevent unattended open doors
- High current capabilities
- EEPROM memory for safe storage of data (in the event of a power failure)
- Ideal for openings requiring scheduled access



## PDM-4 Distribution Board

2-1/4" W x 3-3/4" H (56.5mm x 95.25mm)

## PDM-8 Distribution Board

3-3/4" W x 4-3/4" H (95.5mm x 122mm)

## PDM-8S Distribution Board

3-3/4" W x 4-3/4" H (95.5mm x 122mm)

2  
Year

Warranty  
2 Year Limited Warranty

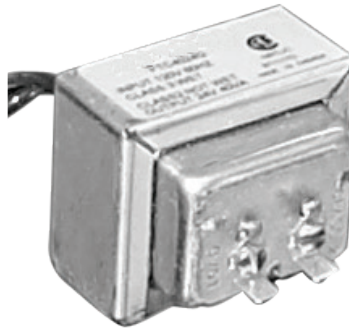
When installed into a power supply, servicing time can be greatly reduced by the output indicator LED's. If an output fuse is blown the accompanying LED will be off, simply identifying the device connected to this output. This will allow potential problems to be resolved quickly. In addition to short circuit protection, the input terminals also have a surge protector that can absorb a 1,500W spike or surge to protect connected devices.

- PDM-4 distributes a DC source into 4 outputs
- PDM-8 distributes a DC source into 8 outputs
- PDM-8S distributes up to 3 DC sources into 8 outputs
- The output voltage and total current available is determined by the input supply
- Separate red power indicator LED for each output
- UL 294 Listed for access control system unit
- CAN/ULC S319 Listed for access control system unit for Canada
- PDM-8S output is jumper selectable from 3 separate inputs

# RCI Power Supplies Accessories



NOTE: T1002 shown



NOTE: T1002 shown

## AC Plug-In Transformers

2-1/4"W x 3-3/16"H x 2"D (57mm x 81mm x 51mm)



Warranty  
2 Year Limited Warranty

- Plug into a standard 115VAC outlet to provide low voltage AC output
- Thermally protected to prevent overload due to short

Model	Description	Output Voltage / Power
T1002	Plug-In Transformer CSA to UL 1310	2VAC-20VA
T1004	Plug-In Transformer CSA to UL 1310	16VAC-40VA
T1008	Plug-In Transformer CSA to UL 1310	24VAC-20VA



## DC Plug-In Power Supply

1-5/8"W x 3"H x 1-3/8"D (41mm x 76mm x 35mm)



Warranty  
2 Year Limited Warranty

- Plugs into a standard 115VAC outlet and provides a 12VDC output
- 6' Wire leads (1.8m)

Model	Description	Output Voltage / Power
T1003	Plug-In/UL Power Supply	12VDC-1.5A

## AC Wire-In Transformers

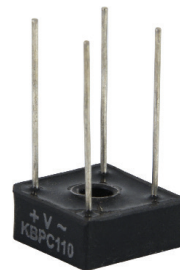
T1001: 2-1/4"W x 2"H x 2"D (57mm x 51mm x 51mm)  
T1005 and T1009: 2-1/4"W x 2"H x 2-1/4"D (57mm x 51mm x 57mm)



Warranty  
2 Year Limited Warranty

- For permanent installations requiring hard wiring

Model	Description	Output Voltage / Power
T1001	Wire-In/UL Transformer	12VAC-20VA
T1005	Wire-In Transformer CSA to UL 1585	16.5VAC-37VA
T1009	Wire-In Transformer CSA to UL 1585	24VAC-40VA



## Bridge Rectifiers

10R1, 10R1-6: 3/16"D x 3/8" Dia. (4.75mm x 9.5mm)  
10R3, 10R3-6: 1/4"D x 5/8" Sq. (6.4mm x 16mm)



Warranty  
2 Year Limited Warranty

- Converts non-filtered AC to DC for silent operation
- Shrink-connect leads on -6" leads

Model	Description	Output Voltage / Power
10R1	Rectifier	1A
10R1-6	Rectifier with 6" leads	1A
10R3	Rectifier	3A
10R3-6	Rectifier with 6" lead	3A

dormakaba Canada Inc.  
65 Struck Court  
Cambridge, ON Canada N1R 8L2  
Tel: 800-265-6630  
sales\_RCI@dormakaba.com

[www.dormakaba.us](http://www.dormakaba.us)