Overview

FLEXPOWER RC SERIES is a 12/24VDC single or dual voltage, rackmount power system with multiple control outputs specifically designed for use within the access, security, CCTV, and mass notification segments of the life safety industry. Multiple output options provide for simple power distribution for auxiliary equipment power, and controlled power distribution for lock and signaling control. *Models ending in "/E" are preset for a 230VAC input from the factory.*

Output options include eight or sixteen controlled or eight controlled and eight distributed outputs (C8D8 models) each fused at 3A and individually protected against electrical surges caused by lightning or transients on the external wiring. The controlled outputs feature optoisolated inputs for independent control of each output by means of voltage application, open collector, or normally open or closed contact transfer.

Models

*Single Voltage: **RC150** 12 or 24VDC selectable
*Dual Voltage: **RC150/150** 12 or 24VDC selectable
Dual Voltage: **RC150B** factory preset to 24 and 12VDC
Factory default setting on all FPO power supplies is 12VDC
Factory default Input voltage setting for models ending in "/E" is 230VAC
All dual voltage models allow each output to be individually set for 12 or 24VDC

Rackmount Features

- 120VAC input or user select 230VAC supports data center electrical systems
- Each input and output has dedicated two terminal pair
- Direct power supply output terminals for flexibility
- High capacity battery charging | Independent charging circuit
- Automotive fuses for improved ease of service
- Removable faceplate for serviceability

Comprehensive fault detection and reporting

- Form C contact transfer for AC Loss or brownout
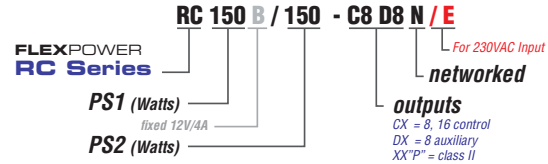- Form C contact transfer for abnormal system operation

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed, Voltage
- Polarity Reversal Activation

Lifetime Warranty

RC 150 **B** / 150 - C8 D8 **N** / **E**

For 230VAC Input
FLEXPOWER
RC Series
networked
outputs
CX = 8, 16 control
DX = 8 auxiliary
XX"P" = class II
PS1 *(Watts)*
fixed 12V/4A
PS2 *(Watts)*

Model No.	Power	OUTPUTS		
		Bulk	Control	Auxiliary
RC150-C8	12A/12 or 6A/24	2	8	
RC150-C8D8	12A/12 or 6A/24	2	8	8
RC150-C16	12A/12 or 6A/24	2	16	

Dual Voltage Model No.	Power	Bulk	Control	Auxiliary
RC150B-C8	4A/12 and 4A/24	2	8	
RC150B-C16	4A/12 and 4A/24	2	16	
RC150/150-C16	**PS1** 12A/12, 6A/24 **PS2** 12A/12, 6A/24	4	16	

*For 230VAC operation add "/ E" suffix to the model number ie RC150-C8N/E
For Class II power limited outputs add P after output number, ie RC150B-C8PN
For remote monitoring and control see RCN and RS series datasheets

Specifications

Input Power	Input 120/230 VAC 50/60 Hz Thermal overload protection / Short circuit protection	Models with "/ E" suffix are factory preset to 230VAC
Output Power	RC150 150 Watts: 12 amps at 12 VDC or 6 amps at 24 VDC RC150B 150 Watts: 4 amps at 12 VDC and 4 amps at 24 VDC RC150/150 300W Watts: **PS1** 12A/12VDC or 6A/24VDC **PS2** 12A/12VDC or 6A/24VDC	*Factory default setting on all power supplies is 12VDC* *RC150B factory set to 24 & 12VDC*

Output Distribution	Eight or sixteen lock outputs, fused at 3A each (C8, C16) / Eight or sixteen lock outputs, class II at 2.5A each (C8P, C16P)
	   – *Individually selectable Mag Lock/Strike (Fail-Safe, Fail-Secure) solid state fuse protected outputs*
	Eight auxiliary outputs fused at 3A each - available on RC150-C8D8 and RC150B-C8D8 only
	   – *Individually selectable outputs on dual voltage systems*	

Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery	
External Indicators	AC on master on/off switch	Front Panel Individual Output Status LEDs	
Battery Charging	Maximum charge current 2.0 amp Independent built-in charger for sealed lead acid or gel type batteries	Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails	Zero voltage drop when switched over to battery backup	
Regulatory Compliance	UL294 / UL603 / ULC S318 / ULC S319 / CSA C22.2 #107.1 / CSA 22.2 #60950 / FCC / CE	
BTU Rating	RC150 66 BTU/Hr	RC150B, 66 BTU/Hr	RC150/150, 132 BTU/Hr	
Physical Dimensions	2U rack mount (19.00"W x 3.5"H x 14"D)	Weight 19 lbs.	

FAULT DETECTION AND REPORTING

DETECTED FAULT CONDITIONS

AC Power
– AC loss, AC low, Master AC power switch

DC Power and System
– Abnormal or loss of power supply operation
– Over current, over temperature condition
– DC output high, low
– Battery Presence, Earth Ground (user optional)
– Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)

POWER DISTRIBUTION

CONTROL OUTPUTS

8 or 16 access control trip inputs
8 or 16 individually protected lock control outputs, fused at 3A per output

Each input may be programmed to respond to:
– Application of voltage between 9 and 33VDC
– Removal of voltage between 9 and 33VDC
– Normally open dry contact transition
– Normally closed dry contact transition

POWER DISTRIBUTION - continued

Each output may be programmed for the following modes:
– Voltage output from power supply one
– Voltage output from power supply two
– Fail-safe, Fail-secure
– Fire alarm over ride for egress lock control

Visual Indicators
– DC Presence: Green LED per output
– Fault Condition: Yellow LED per 8 output bank

Removable terminals: accepts #12 to #24 AWG

DISTRIBUTED OUTPUTS (RC150B-C8D8 ONLY)

Eight individually protected auxiliary outputs, fused at 3A per output
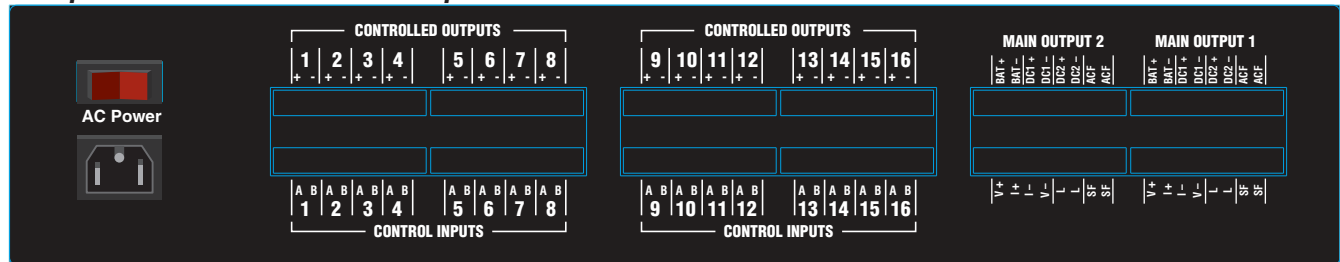– Each output may be programmed for either voltage in dual voltage systems

Visual Indicators
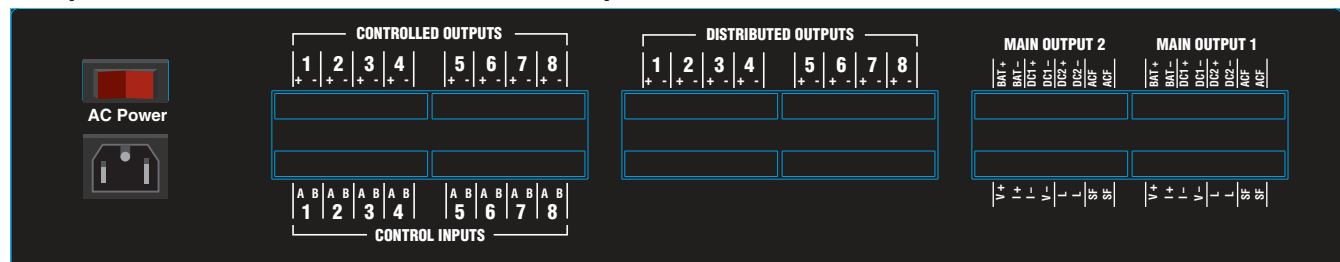– DC Presence: Green LED per output

Removable terminals: accepts #12 to #24 AWG

RC
rear panel for 8 or 16 control outputs

rear panel for 8 control and 8 distributed outputs

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Specifications subject to change without notice.