



RAILWAY Power Systems **Switching Applications** [24VDC + 125VDC]



RLW 100 SERIES

Specifications

MODEL CAPACITIES:

Standard configurations for 4, 6, 8 or 10 switches.

PROTECTION:

Input and Output protection. Input transient suppression, output electronic current limit to 100%.

STATUS & CONTROLS:

Digital metering, AC fail, rectifier fail, high volts, low volts, and optional low volts disconnect

REMOTE MONITORING:

Status monitoring using common form 'C' contacts.

WARRANTY:

Comprehensive 12 month.

The RLW series are self-contained power units for 24 or 125VDC switches.

Construction Detail



Features

- **Compact** - wall mounting frees floor space.
- **Maintenance free batteries** - sealed, 5.0AH to 40AH.
- **Temperature compensation** - for extended battery life.
- **Ease of installation** - Full front accessible terminal block.

Related Products



- Communication power systems.
- Battery systems.
- Track signaling chargers.



Technical Data

Model	RLW109(24V) RLW112(125V)	RLW111(24V) RLW114(125V) RLW115*(125V)	RLW120(125V)	RLW108(125V)
Input				
Voltage:	115 VAC	115 VAC	115 VAC	115 VAC
Phase:	Single	Single	Single	Single
Frequency:	60 Hz	60 Hz	60 Hz	60 Hz
Protection:	Fuse	Fuse	Breaker	Breaker
Output				
Current:	2 Amps	2 Amps	5 Amps	5 Amps
Regulation line:	.1% for +/-10%	.1% for +/-10%	.1% for +/-10%	.1% for +/-10%
Regulation load 0-100%:	+/-1%	+/-1%	+/-1%	+/-1%
Protection:	Fuse	Fuse	Breaker	Breaker
Battery				
Battery Type:	Sealed Lead	Sealed Lead	Sealed Lead	Sealed Lead
Switch Machines:	4	6	8	10
Battery Mounting: WxDxH	Internal	Internal	36x16x21 rack	36x16x21 rack
Low Voltage Disconnect:	Optional	Optional	Not included	Not included
<i>Batteries sized for duty cycles of 18 Amps inrush and 6 Amps running per operation of 6 seconds</i>				
Physical				
Dimensions: WxDxH	22.5"x9"x20"	22.5"x10.25"x20"/27"	20"x12"x20"	20"x12"x20"
Temp. – Operating (deg C)	-20 to +40	-20 to +40	-20 to +40	-20 to +40
Temp. – Storage: (deg C)	-20 to +80	-20 to +80	-20 to +80	-20 to +80
Cabinet Type:	Wall mount	Wall mount	Wall mount	Wall mount
Rectifier Design:	SCR	SCR	SCR	SCR
Connections				
Input:	Terminal block	Terminal block	Terminal block	Terminal block
Output:	Terminal block	Terminal block	Terminal block	Terminal block

* Used to accommodate voltage drop on long wire runs.



ISO 9001 Registered

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