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DIN Rail Housing

Securely House DIN Rail Equipment in Rack Mount Environments

The DIN Rail Housing is designed to safely and securely house DIN rail mounted equipment for wall and rack mount applications. The industrial housing is a steel, powder coated, enclosure with a hinged transparent door for quick assessment of the equipment status and configuration. Access to the inside is easy and secure with a quarter turn latch. An optional key locking latch is also available.

Inside is a 15.8" section of standard 35mm DIN rail for mounting equipment. Multiple cable openings on the sides and bottom allow for flexible cable routing, and plastic cable guides are provided to manage copper and fiber cables into and out of the housing.

The housing may be ordered pre-configured with a 150 Watt AC/DC Power Supply system for either 24VDC or 48VDC applications. The power supply is pre-mounted on the DIN rail pre-wired with a breaker, terminal blocks, and a six foot AC pigtail power cord. Approximately 9.5 inches of DIN rail space is available after power system is installed.

DIN Rail Housing

Key Features

- EIA 19/23" rack or wall mount (hardware included)
- Durable powder coated steel construction
- Quarter turn access latch or key locking latch option
- Multiple cable entry and exit points for flexible routing
- Front, side and rear vents

- Hinged door with acrylic window to monitor equipment
- 15.8" of usable DIN rail space inside
- Available with an integrated AC/DC 150 Watt Powering System (24VDC or 48VDC options)
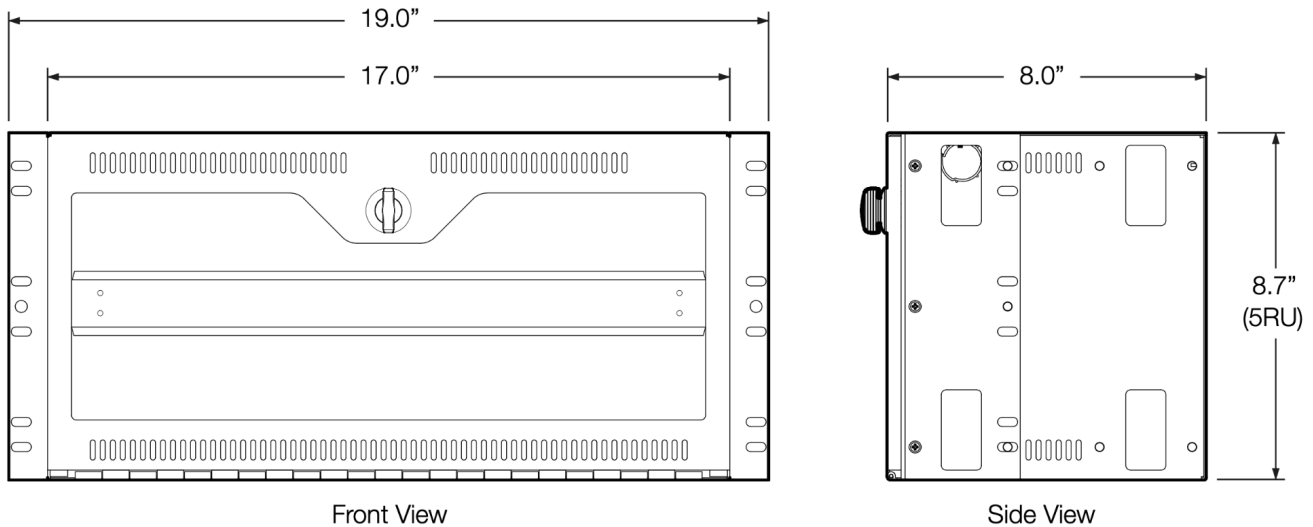- Made in USA

Ordering Information

Description	Part Number
DIN Rail Housing, Rack and Wall Mountable	DRH-N-1
DIN Rail Housing, Rack and Wall Mountable, with 150 Watt 24VDC Power Supply Kit	DRH-N-24-1
DIN Rail Housing, Rack and Wall Mountable, with 150 Watt 48VDC Power Supply Kit	DRH-N-48-1
DIN Rail Housing, Rack and Wall Mountable, with Key Lock	DRH-S-1
DIN Rail Housing, Rack and Wall Mountable, with Key Lock and 150 Watt 24VDC Power Supply Kit	DRH-S-24-1
DIN Rail Housing, Rack and Wall Mountable, with Key Lock and 150 Watt 48VDC Power Supply Kit	DRH-S-48-1

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Dimensions

19.0"

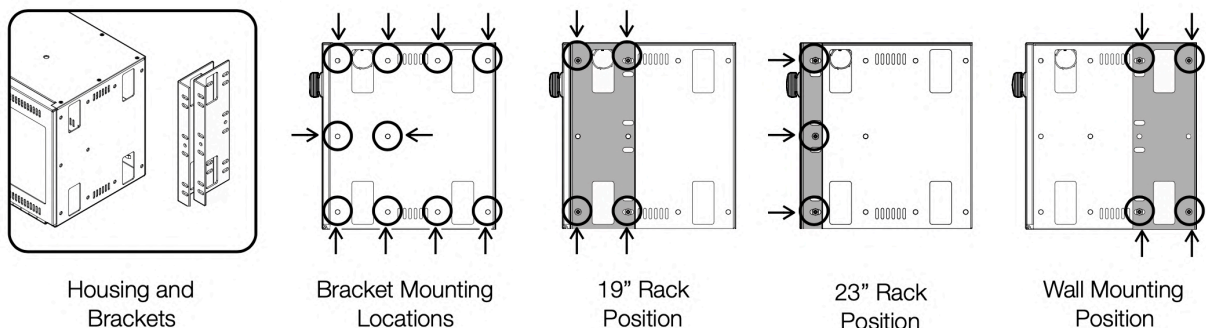17.0"

8.0"

8.7"
(5RU)

Front View

Side View

Installation

Prior to installation:

- Check for shipping damage
- Check the contents to ensure correct model and power options
- Have a clean, dry, rack or wall installation environment ready

Universal Mounting Brackets

The housing includes (2) two universal mounting brackets and attaching hardware allowing the flexibility to fit into multiple application locations. Below shows the different attaching points for mounting the universal brackets to the housing.
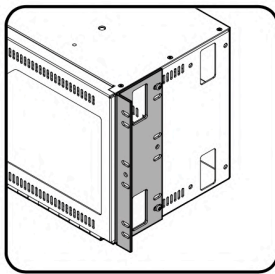
Housing and Brackets

Bracket Mounting Locations

19" Rack Position

23" Rack Position

Wall Mounting Position

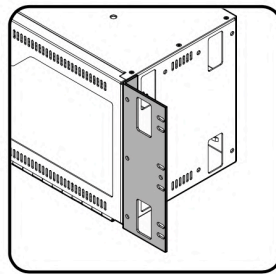**Universal Mounting Bracket Positions**

Installation (cont'd)

Rack Mounting

Install the universal mounting brackets on the sides at the front for standard equipment racks, or half way back for telco stye rack mounting. For 23" rack applications, rotate the universal mounting brackets so the shorter end sits flat on the side of the housing before installing into the rack.

Rack mount hardware is included with the housing. Cables may be routed through the rectangle entry and exit points on the sides, back and bottom of the housing.
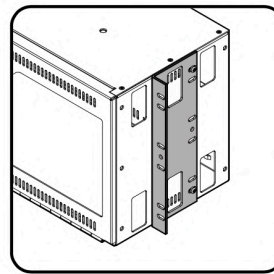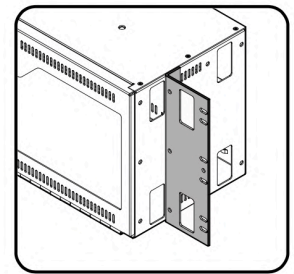

19" Rack Position   23" Rack Position
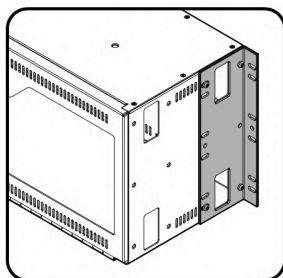
Standard Rack Mounting

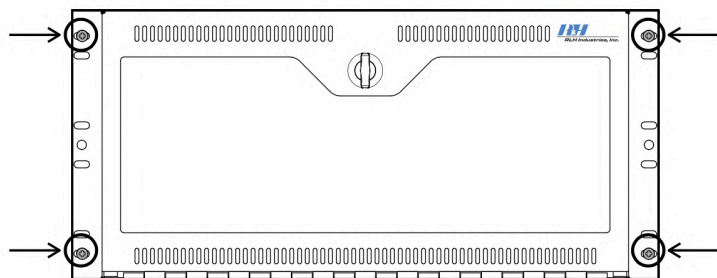19" Rack Position   23" Rack Position

Telco Rack Mounting

Wall Mounting

Install the universal mounting brackets on the sides at the back of the housing. For wall mounting to wood backboard, use the included screws and flat washers. For all other mounting surfaces, use appropriate mounting hardware as required.

When installing, choose a location protected from the elements, and make sure there is sufficient room for the front door to open fully. Consider access to AC power, fiber cables, backup batteries and any other connections as required when installing.
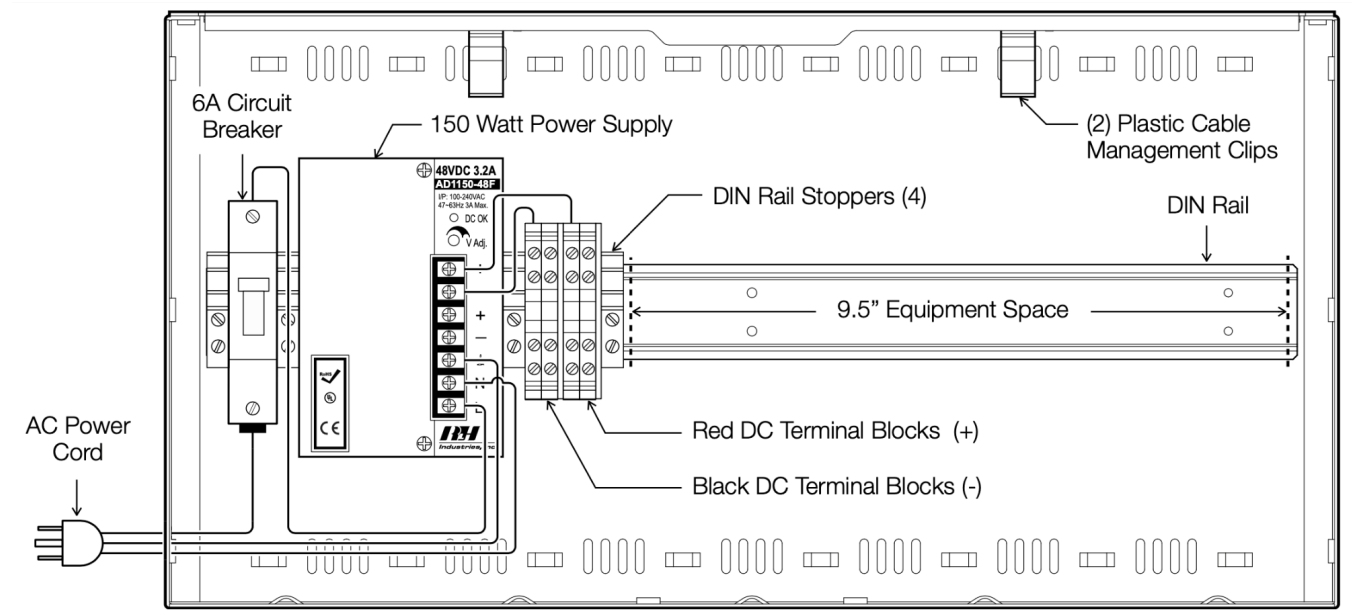

Wall Mounting Position

Front View

Wall Mounting

Installation (cont'd)

Rack Mounting

The housing may be ordered preconfigured with a 150 Watt AC/DC power supply system for either 24VDC or 48VDC applications. The power supply is pre-mounted on the DIN rail prewired with a breaker, terminal blocks, and a six foot AC pigtail power cord. Plug the 6 ft. AC power cord into a standard 110V AC receptacle to apply power.

Note: The DC power outputs are live when AC or DC input power is present.

Internal View of Preconfigured AC/DC Power System

Housing Specifications

Construction:	Powder coated steel, standard 35mm DIN-rail, acrylic door, and (2) plastic cable guides
Dimensions:	5RU - 17" (W) x 8" (D) x 8.7" (H), (432mm x 203mm x 221mm) (Mounting Space 15.8" of DIN rail space, 9.5" when ordered with integrated power supply)
Included in Empty Housing:	Universal mounting brackets (19/23" rack / wall) and attaching hardware(keys for key locking latch option
Included with Power System:	150 Watt AC/DC power supply, 6A Circuit Breaker, (2) red DC terminal blocks, (2) black DC terminal blocks, (4) DIN rail stoppers, 16AWG Wiring, 6 ft. AC power cord

AC/DC Power Specifications

		24VDC (RD1150-24F)	48VDC (RD1150-48F)
Input:	Voltage Range Recommended Breaker	Nominal 100 – 240VAC, 50 – 60Hz or 120 - 370VDC 6A	
Output:	DC Voltage Voltage Adj. Range	24VDC / 6.3A ±10%	48VDC / 3.2A ±10%
LED Indicators:	DC output: Green		
Environment:	Operating Temperature Humidity	-40°C to 40°C Full Load 40°C to 60°C Derating Curve Applies 5%~95% RH, Non-condensing	
Safety & EMC:	Standards	UL 508, CSA 22.2 CE EN 60950	

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