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**Data Sheet**

August 3, 2026

## SERVER TECHNOLOGY

# Sentry Server-Technology Sentry 48VDC Remote Power Manager R4820L

Server Technology Sentry R4820L 48 V DC Remote Power Manager The R4820L provides a Server Technology Sentry 48 V DC remote power manager for distributing and remotely controlling -48 V DC loads in telecom and datacenter cabinets. As part of the Sentry CDU family, it supports remote power management of DC outlets/branches for reboot, sequencing, and load visibility. -48 V DC remote power distribution; cabinet-level DC PDU management; remote reboot of DC-powered network/telecom equipment. The R4820L provides a Server Technology Sentry 48 V DC remote power manager for distributing and remotely controlling -48 V DC loads in telecom and datacenter cabinets. As part of the Sentry CDU family, it supports remote power management of DC outlets/branches for reboot, sequencing, and load visibility. -48 V DC remote power distribution; cabinet-level DC PDU management; remote reboot of DC-powered network/telecom equipment.



## MODEL

**Server Technology  
R4820L**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**R4820L**

## LISTING

<https://aumictechlabs.com/products/r4820l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

**This unit**

The Sentry 48VDC Remote Power Manager R4820L is a specialized remote power management unit designed for -48VDC infrastructure systems. It delivers granular outlet-level control and real-time load monitoring, enabling remote power cycling and device rebooting without on-site

technician dispatch. Built for critical environments including data centers and telecommunications facilities, this unit minimizes downtime through intelligent power distribution and protection.

**Technical Specifications**

**Input Voltage Range:** -40 to -60 VDC

**Input Power Capacity:** Up to 200A DC depending on terminal block configuration (¼" studs: 100A, 5/16" studs: 200A, #8 screws: 20A)

**Output Distribution:** Maximum 24 directly attached devices; up to 104 devices when chained to additional Sentry RPMs

**Load Monitoring:** Individual outlet and aggregate current measurement in amperes

**Output Protection:** Per-outlet fuse or circuit breaker rated for hot disconnect (ratings: 10A, 15A, 20A, 25A, 30A, 40A, 50A, 60A)

**Operating Temperature:** Tested and approved for 60°C (140°F) environments

**Key Features**

- Individual or grouped outlet power cycling for equipment reboots
- Outlet-level current monitoring for load planning and capacity forecasting
- Hot-disconnect rated output connections
- Intelligent Power Module (IPM) architecture for relay control and on/off management
- Scalable architecture supporting daisy-chain configuration

**Typical Applications**

- Data center power distribution and equipment management
- Telecommunications facility infrastructure control
- Remote device rebooting and power recovery operations
- Circuit-level load monitoring and utilization tracking

**Compatibility & Integration**

Works with Intelligent Power Module (IPM) connectors for managed power distribution. Supports field configuration with variable-capacity input connectors to match facility requirements.

## Features & description

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From manufacturer datasheet

### Features

- Model R4820L Sentry 48 V DC remote power manager • 48 V DC (telecom –48 V class) operation • Remote outlet/branch control and monitoring (Sentry family) • Network-manageable CDU platform • Distinct catalog SKU from 4870-XLS-44

# R4820L Characteristics / Specifications

| PARAMETER                      | VALUE                                                                                                                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                          | R4820L                                                                                                                                                                                                                                                                                                            |
| Manufacturer                   | Server Technology (Sentry)                                                                                                                                                                                                                                                                                        |
| Instrument Type                | 48 V DC Remote Power Manager / CDU                                                                                                                                                                                                                                                                                |
| Alias                          | R4820L; Sentry 48VDC Remote Power Manager Electrical                                                                                                                                                                                                                                                              |
| Nominal System Voltage         | 48 V DC (–48 V telecom class)                                                                                                                                                                                                                                                                                     |
| Current / outlet configuration | confirm nameplate and rear labeling for the specific R4820L unit<br>Management Interfaces Ethernet and/or serial management per<br>installed Sentry firmware and option cards–verify on unit Mechanical<br>Rack-mount form factor; confirm RU height, input lugs/connectors, and<br>outlet style on the faceplate |

# R4820L Specifications

| PARAMETER                | VALUE                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Applications             | –48 V DC remote power distribution; cabinet-level DC PDU management; remote reboot of DC-powered network/telecom equipment.               |
| Key Features             | - Model R4820L Sentry 48 V DC remote power manager                                                                                        |
| Technical Specifications | Model: R4820L                                                                                                                             |
| Electrical               | Nominal System Voltage: 48 V DC (–48 V telecom class)                                                                                     |
| Operational Notes        | Do not interchange parts lists with 4870-XLS-44 without verifying the exact model string. Document IP/serial settings after installation. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

| PARAMETER       | VALUE                                     |
|-----------------|-------------------------------------------|
| Model           | R4820L                                    |
| Manufacturer    | Server Technology (Sentry)                |
| Instrument Type | 48 V DC Remote Power Manager / CDU        |
| Alias           | R4820L; Sentry 48VDC Remote Power Manager |

Electrical

Nominal System Voltage: 48 V DC (-48 V telecom class)

Current / outlet configuration: confirm nameplate and rear labeling for the specific R4820L unit

Management Interfaces

Ethernet and/or serial management per installed Sentry firmware and option cards-verify on unit

Mechanical

Rack-mount form factor; confirm RU height, input lugs/connectors, and outlet style on the faceplate

Standard Operating Conditions

Observe -48 V polarity and return bonding. Stay within nameplate ampacity. Follow Server Technology installation instructions for DC fusing.

Operational Notes

Do not interchange parts lists with 4870-XLS-44 without verifying the exact model string. Document IP/serial settings after installation.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.