MRV Communications, Inc.

REMOTE PRESENCE SOLUTIONS

Datasheet

# In-Reach 5150 Power Control Series

## Overview

The In-Reach 5150 Power Control Series provides system administrators and operators with the ability to remotely power cycle AC equipment or bring redundant systems online. The IR-5150 Power Control Series is designed to be controlled by any of the IR-8000/9000 models and the LX Series of products. This flexibility lets IT managers maximize previous investments by taking full advantage of industry leading Remote Presence capabilities including remote console, alarm, sensor and power control (CASP). Only the In-Reach family combines all these powerful features in a series of affordable and scaleable combinations.

The IR-5150 's remote management capability provides the benefit of offering remote on/off power cycling of network and facility devices, naming of outlets for ease of use and the robust security capabilities of the In-Reach series products. These security features include per-port multi-level password protection, RADIUS, SecurID and Secure Shell.

## Application and Benefits

The In-Reach 5150 Power Control Series leverages the investment of In-Reach remote serial and console access products by integrating power control management. The Power Control series of products complements the In-Reach products and provides true Remote Presence management of lights-out facilities or in-house data centers. Each of the 5150 Series Power Control power outlets can be individually managed (Power On/Off or Reboot). In addition, power outlets can be logically grouped and controlled by one command. Key benefits include Input Current Monitoring and Power-Up Sequencing features to prevent overloads and improve power planning and forecasting.

### Agency Approvals & Certifications

FCC Class A
CE
cTUVus CSA 22.2 No. 60950-00 3rd edition
UL Std. 60950 3rd edition
TUVGS EN 69050 3rd edition

## Features

- **Remote Power Management** Individually control each power outlet — or a group of outlets — to remotely reboot network servers and internetworking devices. Or, power-off and secure unused power outlets to prevent unauthorized power consumption on remote power circuit(s).
- **Input Current Monitor** A two-character digital display indicator on the 5150 Power Control Series products provides on-site verification of the cumulative input current load in amps.
- **Power-up Sequencing** Power-up sequencing helps prevent blowing a fuse or tripping a circuit breaker in your data center. Rather than all 16 outlets powering-on at once — with all 16 devices reaching peak in-rush current levels at the same time — Power-On Sequencing distributes power to the outlets in sequence, from the first to the sixteenth outlet. When power is suspended and restored to the 5150 Power Control products, the 16-power output receptacles power-on in two-second intervals. An LED indicator at each receptacle signals the status of the power outlet.
- **Power Distribution North American (100-120v)** 8 and 16 port receptacle models are available in 15, 20 or 30-Amp power input feeds with straight-blade or twist-lock connectors.
- **Power Distribution International (208-240v)** 8 and 16 port receptacle models are available with 16-Amp power input feeds.
- **Username/Password Per Port** Security may be enhanced with the assignment of multiple users with limited access rights to only their designated outlets.
- **Flexible Packaging Options:**
  - **Zero U Rack Space** Save valuable rack space for servers and networking gear by mounting the power control units vertically to the equipment rack.
  - **1U and 2U (19"/23")** Rack mounting option

## Applications

- Remote Data Center Power Control
- Remote network Equipment
- Power Control
- Power Requirement Reduction at Co-location Data Centers
- Remote Redundant System Activation

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### 220v Technical Specifications

| | *HORIZONTAL – NORTH AMERICAN* | | | | *HORIZONTAL – INTERNATIONAL* | |
|---|---|---|---|---|---|---|
| **Model #** | **IR-5152-2108HL** | **IR-5152-3108HL** | **IR-5152-2116HL** | **IR-5152-3116HL** | **IR-5152-1108H** | **IR-5152-1116H** |
| **Management**<br>Interface<br>LEDS<br>Display | RS423 on RJ45<br>Power Outlets<br>2 Character Digital - Summary Load Current | | | | | |
| **Power Requirements**<br>Power inputs - voltage | 208-240v, 50-60Hz | | | | | |
| Current | 20A | 30A | 20A | 30A | 16A | 16A |
| Input Connector | IEC 60320/C19 | | | | | |
| Power Output Type | IEC 60320/C13 | | | | | |
| Receptacle Quantity | 8 | 8 | 16 | 16 | 8 | 16 |
| Max. power output per receptacle | 6 | 6 | 6 | 6 | 6 | 6 |
| **Physical Dimensions**<br>L"xW"xH" | 8"x17"<br>x1.75 | 8"x17""<br>x1.75"" | 8"x17"<br>x3.5" | 8"x17"<br>x3.5 | 8"x17"<br>x1.75" | 8"x17"<br>x3.5" |
| **Rackmount** | 1U | 1U | 2U | 2U | 1U | 2U |
| **Environment**<br>Operating temp<br>Humidity | 32° to 122° F (0 to 50°C)<br>10% to 90% non-condensing | | | | | |
| Compliance | UL 60950:2000, CAN/CSA C22.2 No. 60950, EN60950:2000, FCC Part 15 Class A | | | | | |
| Warranty | One Year | | | | | |

| | *VERTICAL – NORTH AMERICAN* | | | | *VERTICAL – INTERNATIONAL* | |
|---|---|---|---|---|---|---|
| **Model #** | **IR-5152-2108VL** | **IR-5152-3108VL** | **IR-5152-2116VL** | **IR-5152-3116VL** | **IR-5152-1108V** | **IR-5152-1116V** |
| **Management**<br>Interface<br>LEDS<br>Display | RS423 on RJ45<br>Power Outlets<br>2 Character Digital - Summary Load Current | | | | | |
| **Power Requirements**<br>Power inputs - voltage | 208-240v, 50-60Hz | | | | | |
| Current | 20A | 30A | 20A | 30A | 16A | 16A |
| Input Connector | IEC 60320/C19 | | | | | |
| Power Output Type | IEC 60320/C13 | | | | | |
| Receptacle Quantity | 8 | 8 | 16 | 16 | 8 | 16 |
| Max. power output per receptacle | 6 | 6 | 6 | 6 | 6 | 6 |
| **Physical Dimensions**<br>L"xW"xH" | 43.25"<br>x1.75x2.25" | 43.25"<br>x1.75"x2.25" | 66"<br>x1.75" x2.25" | 66"<br>x1.75"x 2.25" | 43.25"<br>x1.75"x2.25" | 66"<br>x1.75"x2.25"" |
| **Rackmount** | '0'U Zero Rack Units, vertical mount | | | | | |
| **Environment**<br>Operating temp<br>Humidity | 32° to 122° F (0 to 50°C)<br>10% to 90% non-condensing | | | | | |
| Compliance | UL 60950:2000, CAN/CSA C22.2 No. 60950, EN60950:2000, FCC Part 15 Class A | | | | | |
| Warranty | One Year | | | | | |

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### 120v Vertical Technical Specifications

| Model # | IR-5150-1108V | IR-5150-2108V | IR-5150-2108VL | IR-5150-3108VL | IR-5150-1116V | IR-5150-2116V | IR-5150-2116VL | IR-5150-3116VL |
|---|---|---|---|---|---|---|---|---|
| **Management**<br>Interface<br>LEDS<br>Display | RS423 on RJ45<br>Power Outlets<br>2 Character Digital - Summary Load Current | | | | | | | |
| **Power Requirements**<br>Power Input | 100-120v, 50-60Hz 15A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 30A | 100-120v, 50-60Hz 15A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 30A |
| **Input Connector** | NEMA 5-15P | NEMA 5-20P | NEMA L5-20P | NEMA L5-30P | NEMA 5-15P | NEMA 5-20P | NEMA L5-20P | NEMA L5-30P |
| Power Output Type | NEMA 5-15R | | | | | | | |
| Receptacle Quantity | 8 | | | | 16 | | | |
| Max. power output per receptacle | 10 amps | | | | | | | |
| **Physical Dimensions**<br>Dimensions (L" x H" x D") | 43.25" x 1.75" x 2.25" | | | | 66" x 1.75" x 2.25" | | | |
| **Rackmount** | 0U - Zero Rack Units, Vertical mount | | | | | | | |
| **Environment**<br>Operating temp<br>Humidity | 32° to 122° F (0 to 50°C)<br>10% to 90% non-condensing | | | | | | | |
| Compliance | UL 60950:2000, CAN/CSA C22.2 No. 60950, EN60950:2000, FCC Part 15 Class A | | | | | | | |
| Warranty | One Year | | | | | | | |

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### 120v Horizontal Technical Specifications

| **Model #** | IR-5150-1108H | IR-5150-2108H | IR-5150-2108HL | IR-5150-3108HL | IR-5150-1116H | IR-5150-2116H | IR-5150-2116HL | IR-5150-3116HL |
|---|---|---|---|---|---|---|---|---|
| **Management**<br>Interface<br>LEDS<br>Display | RS423 on RJ45<br>Power Outlets<br>2 Character Digital - Summary Load Current | | | | | | | |
| **Power Requirements**<br>Power Inputs - voltage<br>Current | 100-120v, 50-60Hz 15A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 30A | 100-120v, 50-60Hz 15A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 20A | 100-120v, 50-60Hz 30A |
| Input Connector | NEMA 5-15P | NEMA 5-20P | NEMA L5-20P | NEMA L5-30P | NEMA 5-15P | NEMA 5-20P | NEMA L5-20P | NEMA L5-30P |
| Power Output Type | NEMA 5-15R | | | | | | | |
| Receptacle Quantity | 8 | | | | 16 | | | |
| Max. power output per receptacle | 10 amps | | | | | | | |
| **Physical Dimensions**<br>L" x W" x H" | 8" x 17" x 1.75" | | | | 8" x 17" x 3.5" | | | |
| **Rackmount** | 1U | | | | 2U | | | |
| **Environment** | | | | | | | | |
| Operating temp | 32° to 122° F (0 to 50°C) | | | | | | | |
| Humidity | 10% to 90% non-condensing | | | | | | | |
| Compliance | UL 60950:2000, CAN/CSA C22.2 No. 60950, EN60950:2000, FCC Part 15 Class A | | | | | | | |
| Warranty | One Year | | | | | | | |

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