



### Key END USER Benefits

<b>Helix AC Redundancy</b> - Redundant AC power for rack cabinets
<b>Power Distribution</b> - Eight managed AC outlets for rack devices
<b>Network Monitoring</b> - RS-485 connectivity extends remote power cycling and monitor outputs to up to 8 connected devices
<b>Environmental Monitoring</b> - Alerts on temp or humidity out of range
<b>Four Switch Inputs</b> - Monitoring of up to four external switches
<b>Four Voltage Inputs</b> - Monitoring of up to four auxiliary DC voltages
<b>Lifetime Warranty</b> - LSP's quality promise

### Electrical Specifications

Model	HAC-8R
Input Voltage Range	90 - 265 VAC
Input Frequency	47 - 63 Hz
Total Output Current	15A
Distributed AC Outputs	
Number of Outputs	8
Max Power per Output	10A
Total Output Current	15A Maximum
Inputs	
Voltage Inputs	Four (9-30VDC Range)
Switch Inputs	Four Dry contact inputs
Sensor Inputs	One
Operating Temperature	-22° to 165°F (-30° to 74°C)
Relative Humidity	5-95% non-condensing
Operating Elevation	0 to 10,000ft (0 to 3,000m)
Input Plug Type	(2) IEC-C20
Output Plug Type	(8) C13

### Ordering

Model No.	Description	Size
HAC-8R	Rackmount ATS PDU, 8 Outputs	1.7H x 19W x 15.5D

### Overview

The **HELIX ATS PDU** (HAC-8R) is a combination Automatic Transfer Switch (ATS) and Power Distribution Unit (PDU) that mounts in a standard 19" rack. Helix ATS serves as a network monitored, redundant ac power distribution source for up to (8) eight ac powered rack mount components.

The Helix ATS provides eight redundant AC outputs for powering rack mounted equipment and utilizes a primary and an optional secondary AC input. If the primary AC input is compromised, the ATS automatically uses the secondary AC input to power the outputs. Standard C13 computer style outlets allow easy connection to the powered devices. It accepts a universal input, accepting voltages from 100-240VAC for worldwide operation.

The Helix ATS PDU also includes integrated NetLink managed power functionality which provides the flexibility to remotely monitor, control and manage system health and power cycle the PDU. By utilizing RS-485 connectivity, the same NetLink functionality can be extended to up to 8 additional downstream LifeSafety Power devices for no additional cost.

Helix ATS features a reversible enclosure that mounts in a standard rack. It provides rear panel AC connections and front panel connections for ethernet and environmental inputs. A front panel LED display shows total current draw, while dual color LEDs provide input and output status.

### Helix ATS Specifications

#### Inputs:

- Dual Universal AC Inputs, 100-240 VAC, 50/60Hz

#### Outputs:

- Eight network managed AC outputs
- 10A maximum per output
- 15A maximum total output

#### Remote Monitoring & Control:

- Email or SNMP alerts on faults
- Remote output disable / reset
- Monitor voltage / current / power per output
- Temperature/humidity monitoring and alerts
- Programmable limits for output parameters
- Monitoring of up to four auxiliary voltages
- Monitoring of up to four switch inputs
- 1000 event history log

#### LED visual indicators:

- Output status (Green/Yellow) per output
- AC input status (Green/Yellow) per input
- LED display for total output current

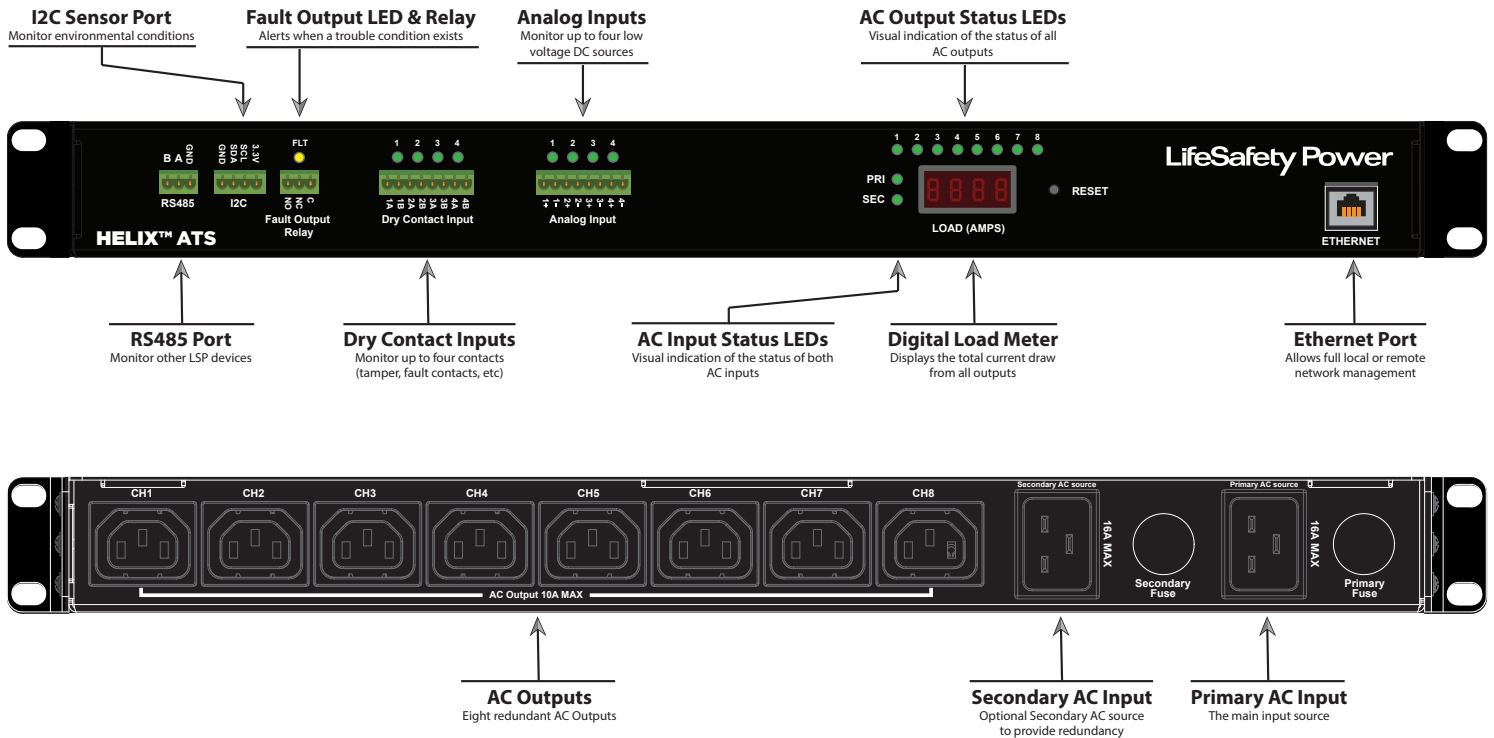
#### Agency Approvals:

- UL294 / UL/cUL 62368-1

# Helix ATS PDU

8 Outputs / Redundant AC Input / 100-240VAC

## HELIX ATS - FRONT AND BACK PANEL



## HELIX ATS FEATURES

**Redundant AC Inputs** Dual AC inputs allow the Helix ATS to switch to an optional backup AC source if the primary AC source is compromised. Installations without a secondary AC source available can still use the Helix ATS without the Helix features.

**Eight Outputs** Eight power outputs are available on the back panel for powering devices within the rack. The enclosure is reversible if front panel AC outputs are required.

**Output Status Indication** Dual color port LEDs indicate normal or fault conditions per output. Green/Normal or Yellow/Fault

**Universal AC Input** Accepts 100 to 240VAC input for worldwide datacenter operation.

**Network Monitoring** View output voltage, current, power, and status locally or remotely. Disable or perform a timed reset of any or all outputs. Extend Managed Power capabilities to up to 8 devices with RS-485 connection.

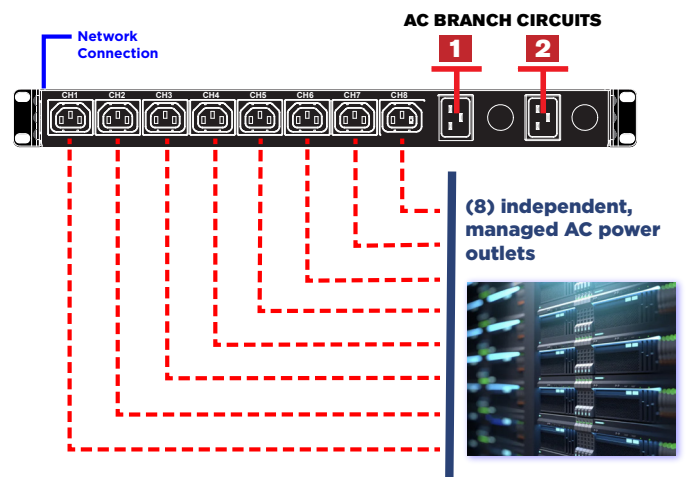
**Strong Cybersecurity Protection** Configurable port settings, certificate selection, complex password settings, and other cybersecurity settings provide strong protection against cyber attack.

**User Control** Multiple user access levels with user activity log to track configuration changes and actions by user.

**MSM Enterprise Compatible** Monitor status of all LSP network connected devices and perform batch firmware updates through MSM Enterprise monitoring software.

## HELIX ATS - APPLICATION DIAGRAM

**Helix ATS** When installed in a rack, provides eight outputs for powering rack devices. An optional secondary AC input provides redundant AC power to the devices. Network monitoring allows monitoring of voltage, current, and power for each output, as well as remote power cycling of the powered devices.



Helix ATS PDU
8 Outputs / Redundant AC Input / 100-240VAC

ATS - MANAGED DASHBOARD

Remote Reporting LSP SYSTEM MANAGER POWERCOM®

Home Configure Tools admin Firmware: 1.0.8S

Client ID LSP Site ID PDU Date Wed 08 Feb 2023 Time 03:10:35

Event1 Inactive ADC1 Reading 0.00 VDC AC1 Status Used

Event2 Inactive ADC2 Reading 0.00 VDC AC2 Status Off

Event3 Inactive ADC3 Reading 0.00 VDC Internal Temperature 24.00 °C

Event4 Inactive ADC4 Reading 0.00 VDC External Temperature 0.00 °C

Humidity 0.00 %

Port	Priority	Device	Enabled	Active Energy (Wh)	Voltage (V)	Current (A)	Power (W)	Power Factor	Cycle Count	Output Status
1	0		Yes	0.00	111.17	0.00	0.00	0.00	1	Normal
2	0		Yes	0.00	111.17	0.00	0.00	0.00	1	Normal
3	0		Yes	0.00	111.12	1.60	139.01	0.78	1	Normal
4	0		Yes	0.00	111.12	0.00	0.00	0.00	1	Normal
5	0		Yes	0.00	111.24	0.00	0.00	0.00	1	Normal
6	0		Yes	0.00	111.24	0.17	10.97	0.58	1	Normal
7	0		Yes	0.00	111.22	0.00	0.00	0.00	1	Normal
8	0		Yes	0.00	111.22	0.00	0.00	0.00	1	Normal

Enable Selected Outputs Disable Selected Outputs Reset Selected Outputs Reset Selected Cycle Count Save Settings View Data

Enable All Outputs Disable All Outputs Reset All Outputs Reset All Cycle Count Programming

HELIX FAMILY



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