



Key END USER Benefits

Helix AC Redundancy - Redundant AC power for rack cabinets
Power Distribution - Eight managed AC outlets for rack devices
Network Monitoring - Remote power cycling and monitor outputs
Environmental Monitoring - Alerts on temp or humidity out of range
Four Switch Inputs - Monitoring of up to four external switches
Four Voltage Inputs - Monitoring of up to four auxiliary DC voltages
Lifetime Warranty - 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
Voltage Inputs	
Voltage Inputs	Four (9-30VDC Range)
Switch Inputs	Four Dry contact inputs
Sensor Inputs	One
System BTU/Hr	TBD
Operating Temperature	0° - 49°C
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 (HAC-8R)** is a combination Automatic Transfer Switch (ATS) and Power Distribution Unit (PDU). Helix ATS provides peace of mind in rack mounted applications through network monitoring and AC redundancy. Helix ATS also serves as a central power distribution point for the rack.

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. The Helix ATS accepts a universal input, accepting voltages from 100-240VAC for worldwide operation.

The Helix ATS allows remote network management accessed through a standard web browser. Management features include monitoring of output parameters such as voltage and current, remote power cycling of individual outputs, programmable upper and lower limits for output parameters, environmental monitoring, and the ability to monitor outside voltages and relay or switch contacts. Helix ATS is compatible with MSM Enterprise and also provides email or SNMP alerts on fault conditions.

The Helix ATS mounts in a standard 19" rack. The reversible enclosure 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

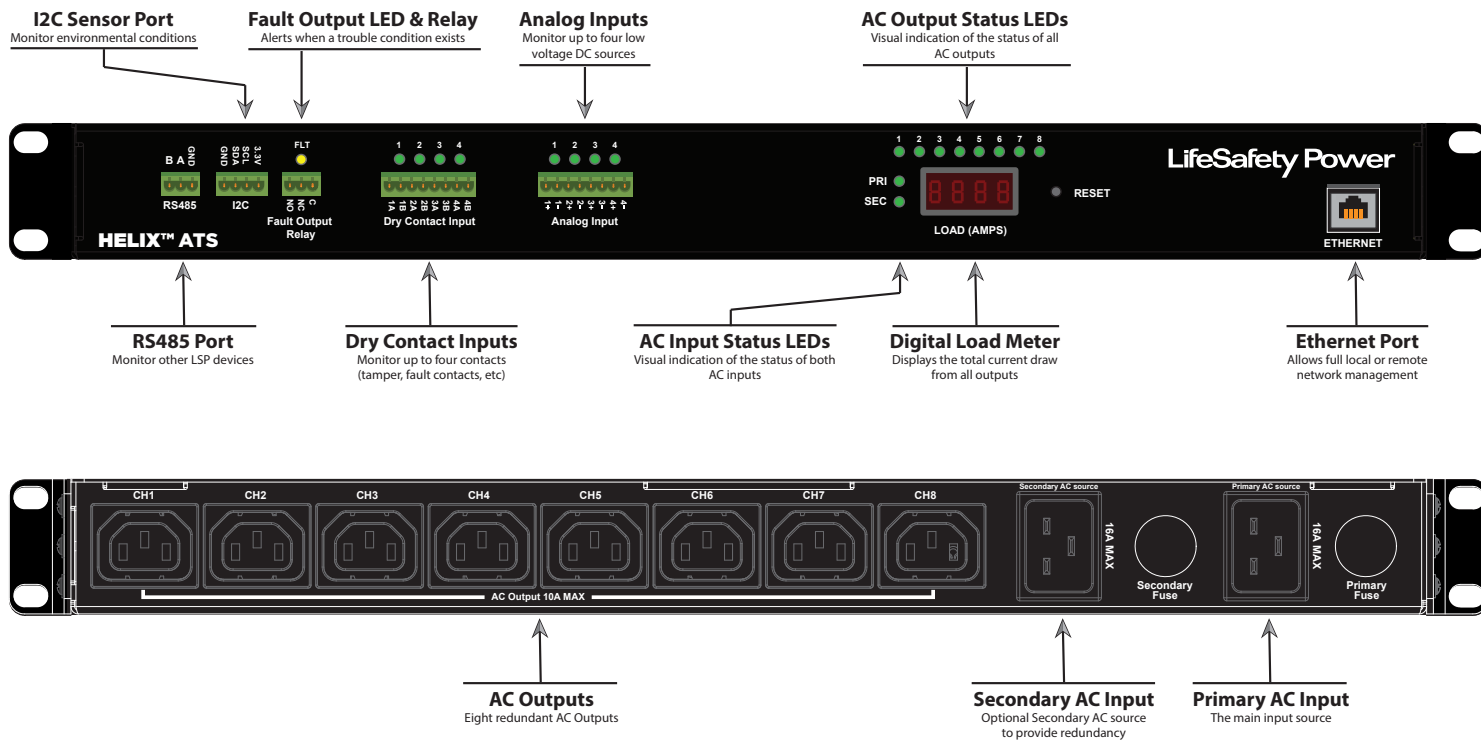
Agency Approvals:

- UL294 (Pending) / ROHS Leadfree / CE

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 data-center operation.

Network Monitoring View output voltage, current, power, and status locally or remotely. Disable or perform a timed reset of any or all outputs.

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

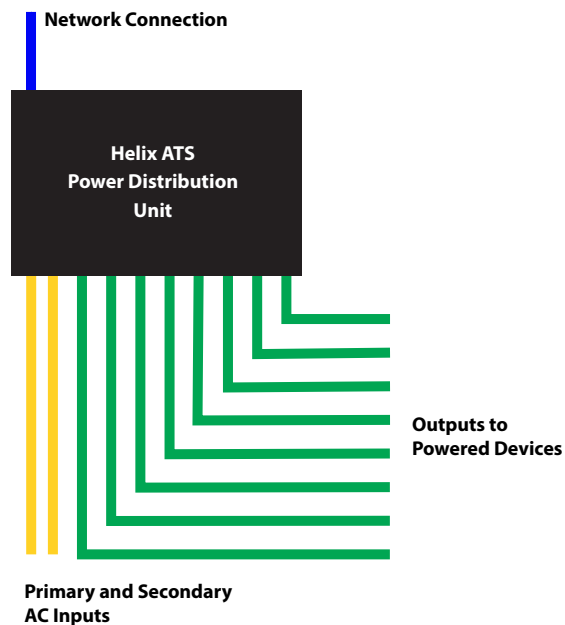
User Control Multiple user access levels with user activity log to track configuration changes and actions by user.

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 Typical Application



Helix ATS PDU

8 Outputs / Redundant AC Input / 100-240VAC

ATS - MANAGED DASHBOARD



SYSTEM MANAGER POWERCOM®

Home [Configure](#) [Tools](#)
admin Firmware: 1.0.8S

Client ID

Site ID

Date Time

Event1 Inactive

Event2 Inactive

Event3 Inactive

Event4 Inactive

ADC1 Reading 0.00 VDC

ADC2 Reading 0.00 VDC

ADC3 Reading 0.00 VDC

ADC4 Reading 0.00 VDC

AC1 Status Used

AC2 Status Off

Internal Temperature 24.00 °C

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
<input type="checkbox"/> 1	0	<input type="text"/>	Yes	0.00	111.17	0.00	0.00	0.00	1	Normal
<input type="checkbox"/> 2	0	<input type="text"/>	Yes	0.00	111.17	0.00	0.00	0.00	1	Normal
<input type="checkbox"/> 3	0	<input type="text"/>	Yes	0.00	111.12	1.60	139.01	0.78	1	Normal
<input type="checkbox"/> 4	0	<input type="text"/>	Yes	0.00	111.12	0.00	0.00	0.00	1	Normal
<input type="checkbox"/> 5	0	<input type="text"/>	Yes	0.00	111.24	0.00	0.00	0.00	1	Normal
<input type="checkbox"/> 6	0	<input type="text"/>	Yes	0.00	111.24	0.17	10.97	0.58	1	Normal
<input type="checkbox"/> 7	0	<input type="text"/>	Yes	0.00	111.22	0.00	0.00	0.00	1	Normal
<input type="checkbox"/> 8	0	<input type="text"/>	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

Helix ATS



HAC-8R

DC Helix Series



HLX150-B1002D8P8M8N4E4M1/T8-A

AC Helix Series



AH2-E5

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IMPORTANT

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