

GEMINI

Overview

The RGXS75/150 Series is a 225W integrated 2U rackmount power system that incorporates system power, lock power and Software House controllers.

RGXS enclosures provide mounting for one GCM and one ACM controller and multiple LifeSafety Power FlexPower® devices in an access control system capable of controlling eight doors as a standalone or multiple doors when interconnected. LSP power modules are provided based on RGXS model number and SWH controllers are provided by the integrator based on the job requirements.

Available options include single (12 or 24V DC) or dual voltage operation (12 and 24V DC), power distribution and control, individual output protection by either fuses or class 2 power limiting, buffered lock control, and remote reporting and test. Each LSP output is protected against electrical surges caused by lightning or transients on the external wiring (SurgeShield) and each LSP control output is individually selectable for available DC voltages, either failsafe or failsecure operation with fire alarm interface.

Optional network reporting capabilities include: operational fault status; power supply output; battery charging voltage; battery charging current; and fire alarm input status. In addition to automated and scheduled status reports, diagnostic servicing and battery load tests can be performed remotely, saving or reducing the cost of on-site servicing.

The unit is intended for mounting within a standard four post EIA 19 inch electronics rack with a minimum depth of 40 inches.

Rackmount Features

- Integrated access system with lock and system power distribution
- Compartmentalized architecture for maximum reliability
- Rack drawer slide assembly simplifies controller wiring and maintenance
- Comprehensive wire management with internal tie down points
- 120 or 230V AC user selectable input supports data center electrical systems

Configuration Options

- Single voltage or 12 and 24VDC dual voltage options cover all access functions
- Power distribution for either direct (D8) controlled (C8) or managed (M8)
- Individual output selection for failsafe, failsecure, lock voltage and fire alarm interface
- High capacity battery charge capability
- Automotive fuses for ease of service and replaceability
- Easy door expansion with multiple Gemini drawers
- Available companion battery housing for rackmount use (RBE)

Network Monitoring

- Monitor/alert power supply, battery operation and faults
- Remote test battery run time, low battery and time to service alert
- Monitor/power cycle individual outputs (M8/SD16 models)
- Monitor alert external room temperature

Fire Alarm Interface

- Latching or Non-latching | Remote reset capability
- Normally Open, Normally Closed
- Voltage or Polarity Reversal Activation

Comprehensive Fault Detection and Reporting

- May be connected into access controller or used standalone
- Form C contact transfer for AC Loss or brownout
- Form C contact transfer for abnormal system operation

Agency Listings

- UL | CUL | CE*

Lifetime Warranty



Software House

RGXS 150 - D8 M8 N / E

GEMINI® EXTENDED
RACKMOUNT
for SOFTWARE HOUSE

POWER (150 WATTS)

For 230VAC Input

NETWORK*

N=NL4—4 SPI connections
NLX—8 SPI connections
16 RS485 connections

ACCESSORY MODULES*

C8—8 controlled
D8—8 auxiliary
M8—8 managed
Fused

C8P—8 controlled
D8P—8 auxiliary
M8P—8 managed
SD16—16 managed auxiliary
Class II power limited



Ordering

*Model No.	Network	Voltage	Current	Internal Distribution		
				Bulk	Auxiliary	Lock
RGXS150-2D8P		12V or 24V	12A/12V or 6A/24V	2	16	
RGXS150-C8D8P				2	8	8
RGXS150-D8PM8N	Yes			2	8	8 MGD
RGXS150-M8NSD16	Yes			2	16 MGD	8 MGD
RGXS75/150-2D8P		12V and 24V	6A/12V and 6A/24V	2	16	
RGXS75/150-C8D8P				2	8	8
RGXS75/150-D8PM8N	Yes			2	8	8 MGD
RGXS75/150-M8NSD16	Yes			2	16 MGD	8 MGD

MGD - Managed Outputs

Single voltage - factory set to 12VDC

Dual voltage - outputs can be individually set for 12V or 24VDC

Networking - monitors power supply, battery set and relay control outputs

For CE 230VAC option, add " / E" suffix to model number, i.e RGXS150-2D8P/E

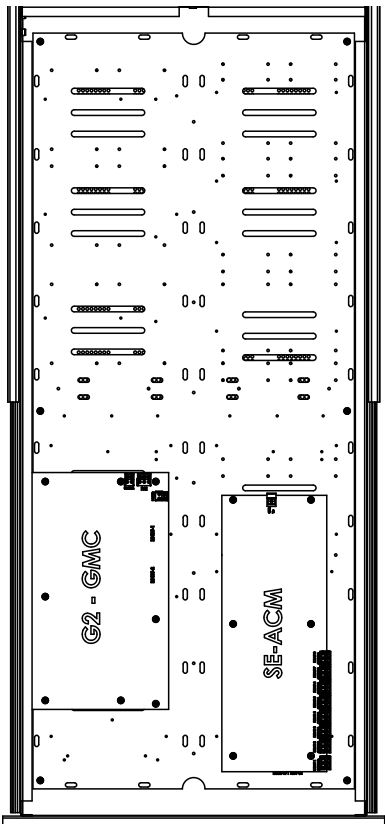
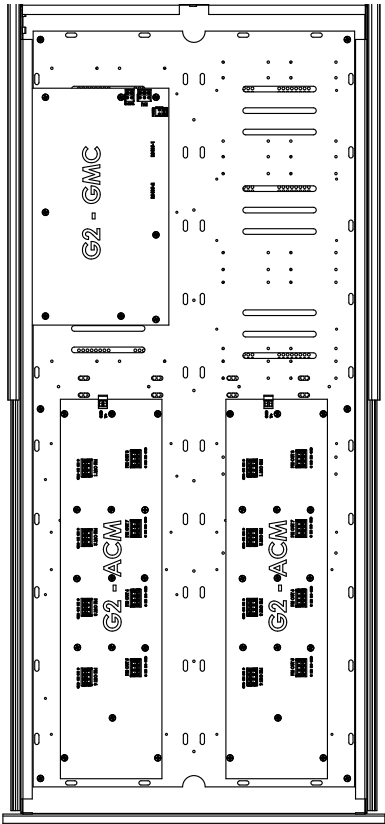
GEMINI RGXS75/150 SERIES — SOFTWARE HOUSE RACKMOUNT POWER SYSTEMS

Specifications

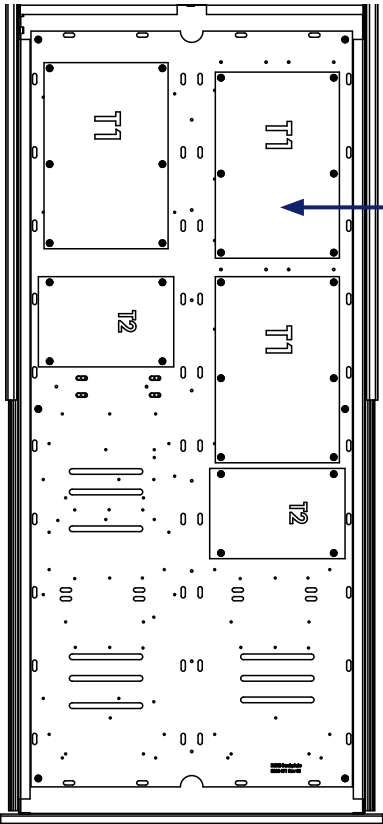
Input Power	Input 120/230 VAC 50/60 Hz 170 Watts (RGXS150) 250 Watts (RGXS75/150) Thermal overload protection / Short circuit protection	
Output Power	RGXS150	150 Watts: 12 amps at 12 VDC or 6 amps at 24 VDC (<i>factory default setting is 12VDC</i>)
	RGXS75/150	225 Watts: 6 amps at 12 VDC <u>and</u> 6 amps at 24 VDC (<i>factory set to 24VDC and 12VDC</i>)
Internal Power Distribution	D8/D8P eight auxiliary outputs: C8/C8P four control outputs: M8/M8P eight managed lock outputs: SD16 sixteen managed auxiliary outputs: – Individually selectable outputs on dual voltage systems	D8 fused at 3A/ea, D8P Class II Power limited at 2.5A/ea C8 fused at 3A/ea, C8P Class II Power limited at 2.5A/ea M8 fused at 3A/ea, M8P Class II Power limited at 2.5A/ea SD16 Class II Power limited at 1A/ea
Network Connectivity for Managed Power	NL4 four SPI Connections NLX eight SPI Connections; 16 RS485 Connections	
Supervision	AC input, DC1, and DC2 output Low battery and battery presence supervision (form C contacts) AC fail supervision (form C contacts) System Fault, AC Fault, Ground Fault, Reverse Battery	
External Indicators	AC on master on/off switch	
Battery Charging	FPO150 Maximum charge current 2.0 amp Maximum battery capacity 80Ah FPO75 Maximum charge current 1.0 amp Maximum battery capacity 40Ah Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup	
Regulatory Compliance	CE UL294 6th Edition, UL603, UL1076, ULC S318, ULC S319 (Mix and match SWH and LSP modules together)	
Access Panel Mounting	Accommodates ACM/ACM SE, GCM boards depending on configuration	
BTU Rating	RGXS150: 66BTU/Hr, RGXS75/150: 99BTU/Hr	
Operating Temperature	ALL MODELS Ambient Temperature 0°C to 49°C (32°F to 120°F) Ambient Humidity 93% at 32°C (90°F) maximum Storage Temperature -30°C to 70°C (-22°F to 158°F)	
Physical Dimensions	2U rack mount (19.00"W x 3.50"H x 36.50"D) Weight 35 lbs.	

RGXS MODULE FOOTPRINT

Software House Configurable Footprint



FlexPower Configurable Footprint

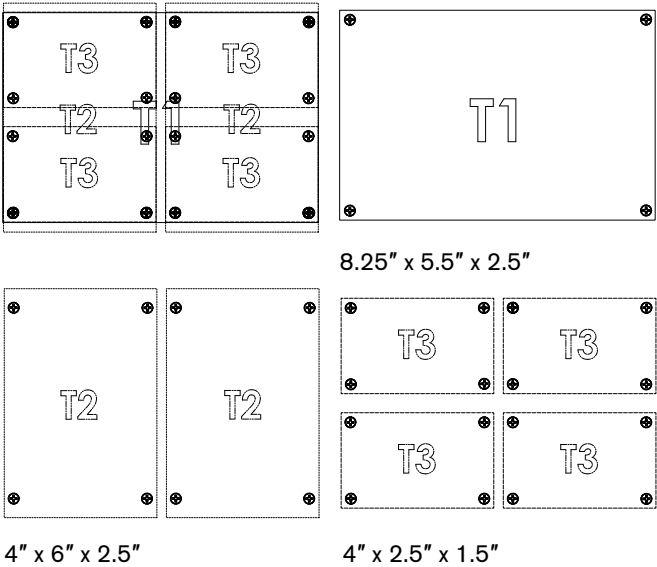


Power Supply

This location is for the power supply. The remaining identified locations can be used for other LifeSafety Power modules.

FlexPower Key

LifeSafety Power FlexPower modules come in three sizes: T1, T2, T3. The footprint for the largest module (T1) could alternatively accommodate two medium modules (T2) or four small modules (T3). The medium size footprint (T2) could alternatively accommodate two small modules (T3).



Flexible Configuration Options

To view customization options of the full system, check out our online Product Configurator.

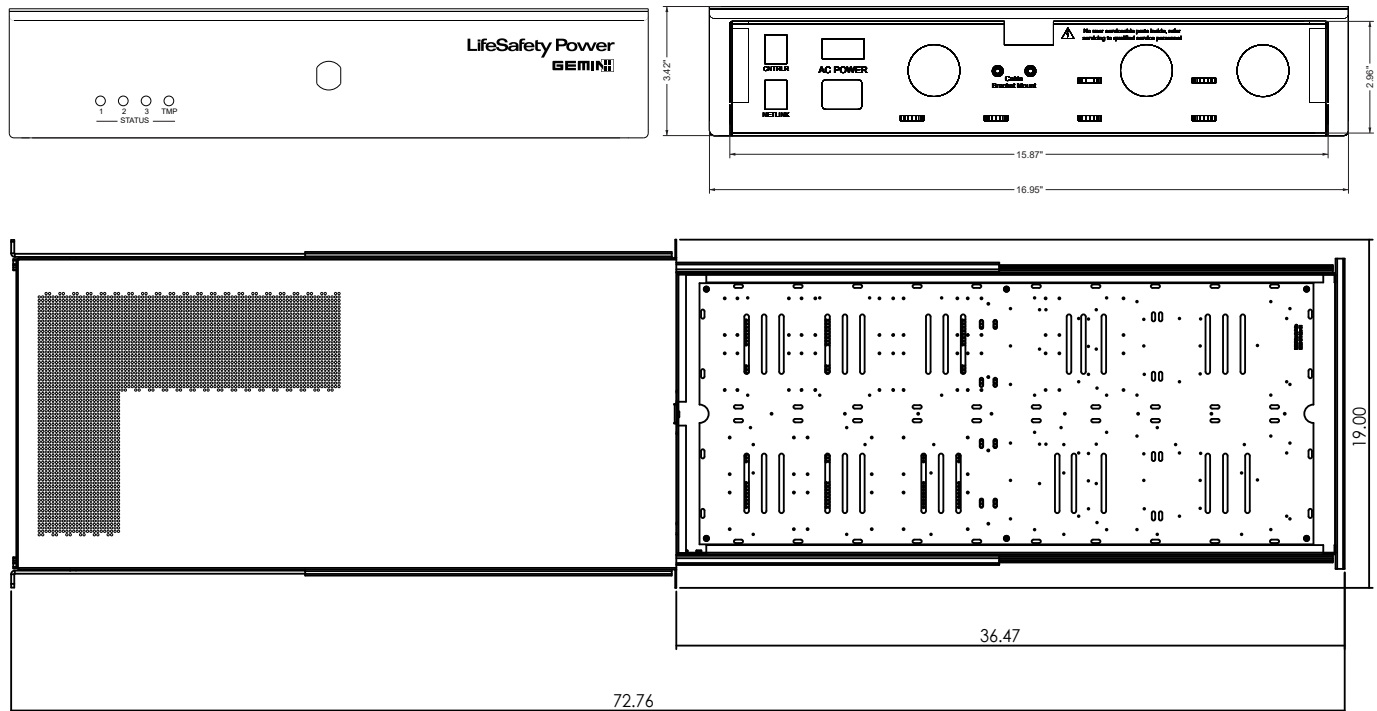


RGXS MODULE FOOTPRINT

Mechanical

2U rack mount 19.00"W x 3.50"H x 36.50"D

Weight 35 lbs.



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Specifications subject to change without notice.

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LifeSafety Power

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