

CONNECTOR PINS

Minimum Cable Size: 0.5mm²

Maximum Cable Size: 2.5mm²

Connector A: SL07 5.08mm vertical connector

Connector B: SL06 5.08mm vertical connector

Pin	Connector	Description
1	A	Plant Supply -ve
2		Plant Supply +ve
3		Digital Output A
4		Digital Output B
5		Flexible Sender Common
6		Flexible Sender A
7		Flexible Sender B
8	B	RS485 A
9		RS485 B
10		RS485 Screen
11		CAN H
12		CAN L
13		CAN Screen

LEDs

LED	Function	Color	Status
Link 1	Cloud Status	Red	No connection to server
		Green	Connected to server and all configured ports are OK
Link 2	Future Use	Red	N/A
		Green	N/A
RS-485	RS485 status	Red	No unit connected
		Green	Data transfer OK
CAN	CAN Status	Red	No unit connected
		Green	Data transfer OK
Signal Strength 1	4G Signal strength	Red	4G not connected
Signal Strength 2		Green	4G connected
Signal Strength 3			
GPS	GPS Status	Red	GPS not connected
		Green	GPS detected

HARDWARE SPECIFICATIONS

Power Supply

Maximum Supply Voltage	36 VDC
Minimum Supply Voltage	8 VDC
Reverse Polarity Protection	-24 VDC
Crank Dip Protection	Able to survive 0V for 100ms, providing the supply was at least 8V before the dropout and recovers to 8V afterwards.
Maximum Standby Current	950mA for 12V input 550mA for 24V input
Maximum Operating Current	4.95A for 12V input (with DC outputs fully loaded) 4.55A for 24V input (with DC outputs fully loaded)

Digital Outputs

The module will have two digital outputs.

Output Type	High side drive sourced from plant voltage
Current Rating	2A continuous
Maximum Voltage Rating	36 VDC
Minimum Voltage Rating	8 VDC

Flexible Inputs

The module will have two flexible sender inputs which are configured to support either Digital or Analog voltage readings.

Maximum Input Voltage	35 VDC with respect to plant supply negative
Standard Operation Range	0 - 10V
Max Common Mode Voltage	±2V
Resolution	1% of full scale
Accuracy	±2% of full scale, excluding transducer error

Communications

Cellular

Coverage	Global
LTE Features	CAT1 (DL 10Mbps, UL 5Mbps)
LTE Bands Covered	FDD-LTE: 1, 2, 3, 4, 5, 7, 8, 12, 13, 18, 19, 20, 26, 28, 66, TD-LTE: 38, 40
3G HSPA/UMTS Bands Covered	1, 2, 3, 4, 5, 6, 8, 19
GSM Bands Covered	850, 900, 1800, 1900MHz
SIM Card	Standard SIM Card Holder

Global Navigation Satellite Systems

Enables accurate location tracking using satellite signals.

Protocol	NMEA
Supported Systems	GPS Galileo

CAN

Supports direct connection to CAN bus networks.

Number of CAN Ports	1
CAN Transceiver Type	Isolated
CAN Bus Shield Connection	Direct to system ground
Supported Programmable Baud Rates	Up to 1Mb/s
Termination	External termination required (120Ω)

RS-485

Enables multi-device communication over long distances using the Modbus protocol.

Baud Rates	4800	28800
	9600	38400
	14400	57600
	19200	115200
Isolation	Yes	
Termination	External termination required (120Ω)	

Ethernet

Allows for connection to multiple devices or the internet via a router or switch.

Number of Ethernet Ports	2
Supported Data Rates	10Mb/s 100Mb/s
Supported Duplex	Full Half
Isolation	> 1kV
Connector	RJ-45

Environmental Specifications

Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +80°C
Humidity	0 to 95% relative

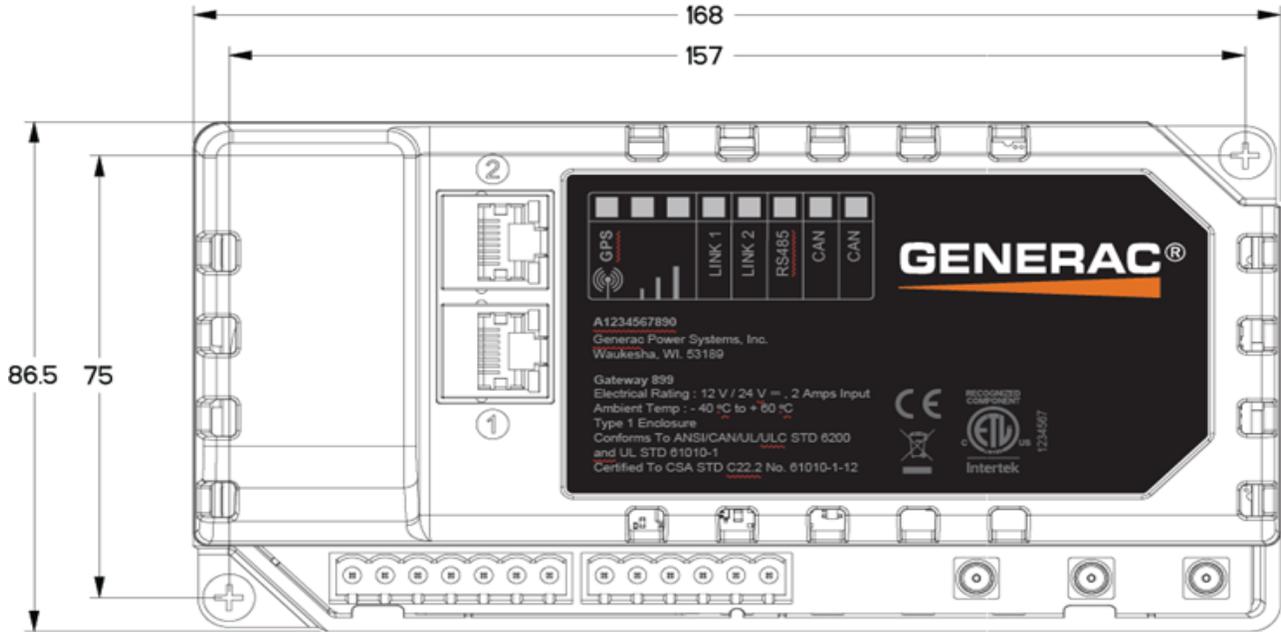
SOFTWARE SPECIFICATIONS

The Advanced Gateway is meant to connect industrial assets with the Generac Link cloud platform. For more information on the cloud platform, please visit: <https://support.energyservices.generac.com>.

CONFIGURATION WEB SERVER

The configuration web server allows unit configuration and monitoring through a web page accessible via its Ethernet ports. Users can update network settings (Ethernet and cellular), adjust time/date synchronization, change passwords, perform firmware upgrades, and restore factory default settings.

DIMENSIONS AND WEIGHTS*



Ingress Protection	IP20 (only when connector blocks are mated) <ul style="list-style-type: none"> -2 protection against solid objects >12.5 mm -0 No protection against water
Case Material 1	Polycarbonate, black, Case parts. Typically Sabic Lexan 940 or similar (UL f1 rated, UL94 V0@1.1mm)
Case Material 2	Duracon Polyacetal (POM), Din Clips. Typically M90-44 / DuPont Delrin 500P or similar
Case Material 3	F MAT 17.250MIC Gloss Velvet Lexan (label)
Case Material 3	Serial Label Polyester Label Material 3M 7815EH
Adhesive	3M 467 MP (Front Label)
Din Mount	Horizontal din mounting
Surface Mount	Two M4 screw fixings for panel mount (as 890 with different mounting pitch)
Mounting Torque	M4 4.6 screw mounting (Typically 1.0 Nm)

*All measurements are approximate and for estimation purposes only.

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Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

REGULATORY

The gateway complies with the following regulatory standards:

Standard Type	Compliance
EMC	FCC CE BS EN 61010-1 EN 61000-6-2 (Generic Immunity) EN 61000-6-4 (Generic Emissions) EN 301 908-2 (Radio Equipment Directive)
Telecommunications	PTCRB Verizon
Functional	UL 62368-1
Environmental	Vibration: <ul style="list-style-type: none">• BS EN 60068-2-6• Ten sweeps in each of three major axes• 5 Hz to 8 Hz at +/-7.5 mm• 8 Hz to 500 Hz at 2 gn Shock: <ul style="list-style-type: none">• BS EN 60068-2-27• Three shocks in each of three major axes 15 gn in 11ms Temperature: <ul style="list-style-type: none">• BS EN 60068-2-1 Ab/Ae Cold Test -30°C.• BS EN 60068-2-2 Bb/Be Dry Heat +60°C• BS EN 60068-2-30 Damp Heat Cyclic Db 25/55°C 95% RH• BS EN 60068-2-78 Damp Heat Static Cab 40°C 93% RH