

RA400 Remote Annunciator

For NFPA110 Applications

The RA400 remote serial annunciator monitors the condition of the generator set from a remote location when it is equipped with a DynaGen GSC400Plus or TG410 Genset Controller. If a generator alarm condition occurs, the remote annunciator alerts the operator through lamps and an audible alarm.

- Connects via 3-wire Modbus to the GSC400Plus/TG410 genset controller up to 2800 ft.
- 20 Lamp Indicator for Warnings, Status, and Failures.
- NFPA-110, NFPA 99 & CSA 282-00 compliant.
- 2 User configurable lamps with writable surfaces.
- Extra switched inputs for System Enable/Disable and Genset Start/Stop.
- Audible Alarm.
- Modbus RTU serial connection.
- Surface or flush-mounted. Also fits in a standard 203 mm x 203 mm (8 in. x 8 in.) Hoffman box.
- Conformal coated circuit board for moisture protection.
- Up to 4 RA400 annunciators can be easily connected to the same wiring.
- Powered by 12 or 24VDC.
- Optional 120 VAC Power Supply.
- 5-Year Warranty.

Ordering Information

Part No. RA400-LS

Available Accessories:

DWG1454 - 5ft pigtail harness for Modbus connection to GSC400
 ACC0109 - 8"x8"x4" Pull Box (Hoffman ASE8X8X4)
 ACC0120 - 120VAC to 12VDC power adaptor (Mean Well LPL-18-12)



Shown with optional enclosure.

SPECIFICATIONS

Power Supply

- 6 to 30VDC
- Meets SAE J-1113/11 Load Dump
- Reverse Battery Protected
- Current Draw: 100mA - 250mA

Operating Temperature

- -40 °C to +85 °C

Physical

- Dimensions: 8.0" x 8.0" x 1.5"
- Weight: 1.5 lbs

Audible Alarm

- 71 to 86db at 2ft

Communications

- Modbus RTU (RS-485)
- Cable: Belden 9841 cable required for proper communication. Max distance is 2800 ft.
- Max Distance: 2800ft using Belden 9841 cable or equivalent
- Master or Slave configuration
- 9600 or 19200 Baud
- Optical Isolation for surge immunity

Switched Inputs

- 2 Inputs for System Enable/Disable and Genset Start/Stop
- 2 wire ground/positive input to trigger

Type	LED Indication		
	Green	Amber	Red
Overcrank		X	X
Overspeed		X	X
Emergency Stop			X
High Engine Temperature		X	X
Low Oil Pressure		X	X
Low Coolant Level			X
Low Coolant Temperature		X	
Low Fuel Level		X	X
Communication Status	X		X
Not In Auto	X		X
High Battery Volts		X	X
Low Battery Volts		X	X
Common Fault		X	X
Low Cranking Volts		X	
Battery Charge Failure			X
User Configurable 1		X	
User Configurable 2		X	X
System Ready	X		X
Generator Running	X		
EPS Supplying Load	X		

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