

DynaGen™

RA400



REMOTE ANNUNCIATOR FOR NFPA110 APPLICATIONS

HIGHLIGHTS

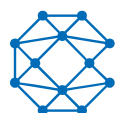
- The RA400 remote serial annunciator monitors the condition of the generator set from a remote location when it is equipped with a TOUGH Series™ TG410 or TG600 controller.
- The remote annunciator alerts the operator through lamps and an audible alarm if a generator alarm condition occurs.
- Conformally coated circuit board for moisture protection
- NFPA-110, NFPA 99 and CSA 282-00 compliant

FEATURES

- Connects via 3-wire RS485 Modbus to the TG410 or TG600 genset controller up to 2800 feet
- 20 lamp indicators for warnings, status and failures
- 2 user configurable lamps with writable surfaces
- Extra switched inputs for system enabled/disabled and genset start/stop
- Audible alarm
- Modbus RTU serial communication
- Surface or flush mounted.
- Fits in a standard 203 mm x 201 mm (8" x 8") Hoffman box
- Up to four RA400 annunciators can be easily connected to the same wiring
- Powered by 12 or 24 VDC

ACCESSORIES

- 120 VAC power adaptor
- Pull box





TECHNICAL DATA AND SPECIFICATIONS

Power Supply	6 to 30 VDC	<table><tr><th>Type</th><th colspan="3">LED Indication</th></tr><tr><th></th><th>Green</th><th>Amber</th><th>Red</th></tr><tr><td>Overcrank</td><td></td><td>x</td><td>x</td></tr><tr><td>Overspeed</td><td></td><td>x</td><td>x</td></tr><tr><td>Emergency Stop</td><td></td><td></td><td>x</td></tr><tr><td>High Engine Temperature</td><td></td><td>x</td><td>x</td></tr><tr><td>Low Oil Pressure</td><td></td><td>x</td><td>x</td></tr><tr><td>Low Coolant Level</td><td></td><td></td><td>x</td></tr><tr><td>Low Coolant Temperature</td><td></td><td>x</td><td></td></tr><tr><td>Low Fuel Level</td><td></td><td>x</td><td>x</td></tr><tr><td>Communication Status</td><td>x</td><td></td><td>x</td></tr><tr><td>Not In Auto</td><td>x</td><td></td><td>x</td></tr><tr><td>High Battery Volts</td><td></td><td>x</td><td>x</td></tr><tr><td>Low Battery Volts</td><td></td><td>x</td><td>x</td></tr><tr><td>Common Fault</td><td></td><td>x</td><td>x</td></tr><tr><td>Low Cranking Volts</td><td></td><td>x</td><td></td></tr><tr><td>Battery Charger Failure</td><td></td><td></td><td>x</td></tr><tr><td>User Configurable 1</td><td></td><td>x</td><td></td></tr><tr><td>User Configurable 2</td><td></td><td>x</td><td>x</td></tr><tr><td>System Ready</td><td>x</td><td></td><td>x</td></tr><tr><td>Generator Running</td><td>x</td><td></td><td></td></tr><tr><td>EPS Supply Load</td><td>x</td><td></td><td></td></tr></table>	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 Charger Failure			x	User Configurable 1		x		User Configurable 2		x	x	System Ready	x		x	Generator Running	x			EPS Supply Load	x		
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	Load dumping: SAE J1113-11																																																																																									
	Reverse battery protection																																																																																									
	Current Draw: 100mA - 250mA																																																																																									
Operating Temperature	Controller function: -40°C to 85°C																																																																																									
Dimensions	8.0" H x 8.0" W x 1.5" D																																																																																									
Weight	1.5 lbs																																																																																									
Audible Alarm	71 to 86db at 2 feet																																																																																									
Switched Inputs:	2 inputs for system enabled/disabled and genset start/stop 2 wire ground/positive input to trigger																																																																																									
Communications	Modbus RTU (RS-485)																																																																																									
	Cable: Belden 9841 cable required for proper communication																																																																																									
	Max distance: 2800 feet																																																																																									
	Master or slave configuration																																																																																									
	9600 or 19200 baud																																																																																									
	Optical isolation for surge immunity																																																																																									
Warranty	Five-year warranty or 17,500 hours																																																																																									
Order Information	Part no. RA400-LS																																																																																									
Accessories	ACC0109 - 8" x 8" x 4" pull box (Hoffman ASE 8X8X4) ACC0120- 120 VAC to 24 VDC power adaptor (Mean LPL-18-12)																																																																																									

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