

Specifications

Power Supply

DC Models 18–32 Vdc, approximately 5 W.
AC Models Jumper selectable for 95–130 or 190–260 Vac line-to-line, 50–400 Hz, approximately 10 W.

Inputs

3-phase PT Inputs 95–130 or 190–260 Vac line-to-line, 50–400 Hz.
PT input burden is 1.6 W per phase at 240 Vac, 0.4 W per phase at 120 Vac.
3-phase CT Inputs 3–7 Arms at full load, CT input burden at full load is 0.1 VA per phase.
Load Sharing Input 0–3 Vdc into 25 kA impedance in isochronous mode, open circuit in droop mode.
Sync Input Compatible with optional Woodward SPM-A synchronizer.
Speed Trim Allows manual adjustment of output level with an external 10 kA potentiometer (not available on part number 9907-173).
Droop Switch The external droop switch is to be wired in series with the auxiliary circuit breaker contact. Droop mode is selected when either the droop switch or the auxiliary circuit breaker is open.

Outputs

Load Signal DC signal proportional to total real current sensed by the Load Sharing Module.

Used to adjust load gain.
Output to Speed Control +0.5 to +4.5 Vdc analog, ± 3 Vdc analog, or PWM, depending on model.

Adjustments

Droop Provides for output reduction between no-load and full-load conditions.
Load Gain Provides adjustment of the load on an individual generator when two or more generators are paralleled. Adjusts specified full load condition from 3 to 7 Arms.

Environmental

Operating Temperature –40 to +70 °C (–40 to +158 °F).
Salt Fog Tested at 5% NaCl, 35 °C, 47 hrs wet, 47 hrs dry.
Humidity Tested at 95% RH, 65 °C, non-condensing, 5 cycles at 24 hrs/cycle.
Vibration Swept sine: Tested at 4 G, 5 mm, 5–2000 Hz, 3 hr min/axis, including 4 30-minute dwells at resonant frequencies.
Shock 40 G, 11 ms sawtooth pulse.
Installation Overvoltage Category III.
Category Pollution Degree 2.
Air Quality Any orientation, any convenient location, but not on engine. IP43 protective enclosure required for compliance with EU Low Voltage Directive.
Mounting

Physical Characteristics

Dimensions Length: 273.6 mm (10.77 in.)
Width: 214.1 mm (8.43 in.)
Height: 59.2 mm (2.33 in.)
Weight/Mass 1398 g (49.3 oz.) approximate, dc models
1488 g (52.5 oz.) approximate, dc models

Safety and EMC Standards Compliance

Conforms to EMC Directive 89/336/EEC. Conformity established by testing to EN 50081-2, EN 50082-2.
Conforms to Low Voltage Directive 73/23/EEC when used in accordance with instructions. Conformity established by testing to EN 50178, 1997, and EN 61010-1, 1993, +A1.

Listed to UL and cUL Industrial Control Equipment (UL508).



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Distributors & Service

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