

AJ POWER

DIGITAL CONTROL PANELS

For Greater Reliability and Accuracy



Diesel generating sets worldwide

INSIGHT3250

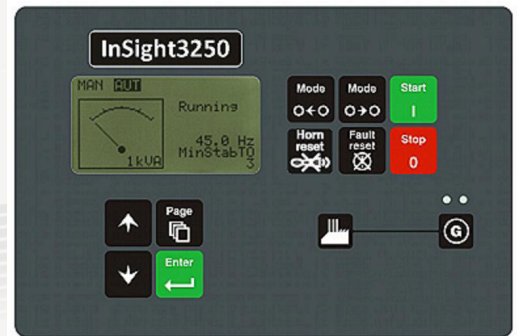
The InSight3250 is a microprocessor based generator control unit that is used to start and stop the genset manually or via a remote start signal when in automatic mode. The device is designed to run and monitor system parameters to ensure fail-safe genset operation. The InSight3250 provides indication of operational status and fault conditions via its LCD display.

FUNCTIONS

- Manual and automatic genset starting and stopping
- True RMS voltage and current measurements
- kW / kWh / kVA measurement
- Power factor (PF) measurement
- Generator and engine protection features
- Engine pre-glow control
- Engine hour measurement and maintenance call
- Engine temperature, oil pressure and fuel level measurement
- Adjustable operating modes
- Digital bar graph displays of engine temperature, oil pressure and fuel measurement
- CAN bus interface for electronic engine compatibility and ECU diagnostics.
- Recording of last 119 alarm failures
- PC and/ or front panel configurable
- RTC (real time clock) with history records.
*100 records

INPUTS/OUTPUTS

- 3 phase generator voltage inputs
- 3 phase generator current inputs
- Magnetic pick up input
- D+ pre-excitation terminal
- 12 or 24V battery power supply input
- Oil pressure and coolant temperature analogue inputs
- Cranking relay output
- Fuel solenoid relay output
- Alarm output
- Dummy load bank control
- 6 Binary inputs
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- 3 Analogue inputs (including fuel level measurement)
- Extension module capability (Available as optional extras.)
 - Binary input/output expansion card.
 - Analogue output expansion card
 - Remote comms plug - in cards available (refer to remote comms product flyer)
 - *RC7A: Ethernet interface
 - *RC7B: GSM/ GPRS wireless remote monitoring
 - RS232 & RS485 Modbus cards
 - Remote display panel
 - Remote annunciator panel
 - USB configuration card



ALARMS/SHUTDOWNS

- Under/ over voltage alarm
- Under/ over frequency alarm
- IDMT overcurrent protection
- Engine start/stop failure
- Battery under/over voltage failure
- Unbalanced load protection
- High temperature failure
- Emergency stop
- Low oil pressure failure
- Maintenance alarm
- Binary input Warning/Shutdown (configurable)
- Oil pressure sender failure
- Water temperature sender failure
- ECU alarms and diagnostic fault codes

AJ Power Limited

1 Charlestown Drive, Carn Industrial Area, Craigavon, BT63 5GA, Northern Ireland, United Kingdom
Tel: +44 (0)28 3836 1000 Fax: +44 (0) 28 3836 1010 Email: info@ajpower.net