

The 4001E Series control panel allows the generating set to be automatically controlled by a remote signal and is therefore suitable for controlling a standby generating set in conjunction with an automatic transfer switch.

Standard specification

► Construction and finish

Components installed in a heavy duty sheet steel enclosure

Phosphate chemical pre-coating of steel provides corrosion resistant surface

Polyester composite powder top-coat forms high gloss and extremely durable finish

Lockable hinged panel door provides for easy component access

► Mounting

Mounted to generating set baseframe on robust steel stand

Vibration isolated from generating set

Located at rear of generating set with excellent panel visibility

Installed as an integral part of the enclosure on enclosed generating sets

► Instrumentation

AC instruments are 90° deflection, 72 mm square, flush mounting

AC instruments in accordance with IEC60051 and 60529, DIN43700 and 43718, BSEN60051 and 61010, UL94

Engine gauges are heavy duty, 52 mm diameter, electrically operated

► Controls

Protected by fused DC supply from starting battery

Printed circuit board assemblies with field proven circuit elements

Thoroughly tested during manufacture and final test of generating set

Multi-pin plug and socket connections for ease in servicing

Switches and pushbuttons are heavy duty industrial type

Internal AC and DC panel wiring harnesses pre-formed for uniform routing and enhanced interconnect reliability

4001E Series



Control panel



Standard features

▶ Instrumentation

Voltmeter
Ammeter
Combined frequency & tachometer
Hours run counter
Coolant temperature gauge
Lube oil pressure gauge
Battery condition voltmeter
7 position voltmeter phase selector switch
4 position voltmeter phase selector switch

▶ Controls

Run/off/auto switch
Emergency stop button (red)
Engine preheat pushbutton
Lamp test pushbutton
Cycle cranking (3 cycles with adjustable timing)
Cool down timer

▶ Shutdowns with individual warning lamps

Fail to start
High coolant temperature
Low lube oil pressure
Overspeed

▶ Remote signals/contacts from panel

Interface to remote annunciator
Terminals for remote emergency stop
Common fault alarm signal
Volt free contacts for common fault alarm signal

▶ Alarms with individual warning lamps

Approaching low oil pressure
Approaching high engine temperature
Low battery voltage
Battery charger failure
Control switch not in auto mode

▶ Additional fault channels

Two channels available for optional shutdowns
One channel available for optional alarms
4 additional fault channels available

Optional features

▶ Instrumentation

3 ammeters instead of 1 ammeter & selector switch
Kilowatt meter
Static battery charger ammeter
Lube oil temperature gauge

▶ Controls

Panel emergency stop pushbutton with security key
Audible alarm supplied loose
Panel mounted audible alarm
Auto preheat control circuit
Static battery charger 5A CVC 120 volt
Static battery charger 5A CVC 220/240 volt
Static battery charger with boost control 220/240 volt

▶ Remote signals/contacts from panel

Volt free contacts for generating set running

▶ Shutdowns with individual warning lamps

Underspeed
Overvoltage
Undervoltage
Combined under/over voltage
Earth fault
Earth leakage
Overload shutdown via overcurrent relay
Overload shutdown via alarm switch on breaker
High engine exhaust temperature alarm
High fuel level alarm

▶ Remote communications

PAN4 - 8 channel remote annunciator panel
PAN5 - 16 channel remote annunciator panel
PAN6 - remote annunciator upgrade
PAN7 - lockdown stop button

