

PRO AMP systems

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Diesel Controller Specifications (Stand-Alone)

Technical

➤ Supply Voltage	230VAC
➤ Control Circuit Voltage	12/24 VDC
➤ Rated fault level	50kA at 230VAC
➤ Max Current Consumption	1,4 A
➤ Battery charger output current	5,2 A
➤ Battery charger output voltage	27,6 VDC / 13,8VDC
➤ IP Rating	54
➤ Dimensions	920 x 640 x 275
➤ Powder Coated Signal red	80 – 100 Microns
➤ Cable entry	Bottom

Features

- ASIB Approved & tested
- EMI/EMC Line filter
- 220VAC Output for Extractor fan in pump room
- X2 Dual redundant Battery chargers
- Monitored outputs to Annunciator for the following signals:
 - a) Fire
 - b) Pump run
 - c) Pump fail
 - d) Main fails
 - e) Control Circuit fail
 - f) Battery charger 1 or 2 fail
 - g) High engine temperature
 - h) Engine low oil Pressure
 - i) Pump house Protection
 - j) Tacho relay 1 or 2 fault

➤ Potential free outputs for Building management system contact rating SPDT 7A @ 230VAC for the following signals:

- a) Fire
- b) Pump run
- c) Pump fail
- d) Mains fail
- e) Control Circuit fail
- f) Battery charger 1 or 2 fail
- g) High engine temperature
- h) Engine low oil Pressure
- i) Pump house Protection
- j) Tacho relay 1 or 2 fault

➤ Potential free outputs to GSM (cell link) SPST (NO) for the following signals:

- a) Fire
- b) Pump run
- c) Pump fail
- d) Mains fail
- e) Control Circuit fail
- f) Battery chargers 1 or 2 fail
- g) High engine temperature
- h) Engine low oil pressure
- i) Pump house Protection
- h) Tacho relay 1 or fault

➤ AC supply Voltmeter 72mm²

➤ DC Battery Volts Voltmeter 72mm²

➤ DC Ammeter Battery charger № 1 72mm²

➤ DC Ammeter Battery charger № 2 72mm²

➤ Rev Counter (Digital)

➤ Hour meter (Digital)

➤ Engine temperature gauge (Digital)

➤ Test Push Button

➤ Reset Push Button (Illuminated)

➤ Emergency start Battery № 1 Push Button (Illuminated)

➤ Emergency start Battery № 2 Push Button (Illuminated)

➤ Battery Volts Selector Switch

➤ Panel & chassis labels engraved

➤ Enclosure material 2mm mild steel

➤ Pressure Switch operated

➤ Switchgear used type GE or WEG

➤ X2 Tacho relays (dual redundant, RPM LED display, adjustable set points)

➤ Six Start attempt relay with Digital display of total cranks

- Battery chargers have the following LED display
- a) Mains on
- b) Battery fault
- c) Battery reverse polarity
- d) Battery reverses polarity
- e) DC fuse blown
- f) Charger fails