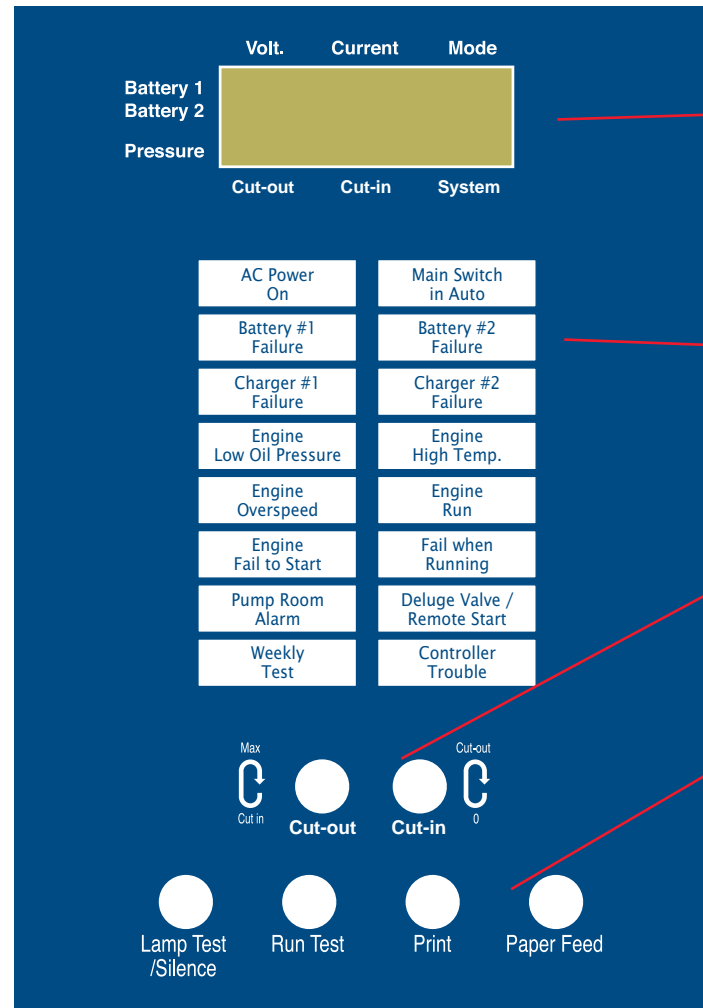


GFD MODEL

Diesel Engine Fire Pump Controller Micro-processor based

ANNUNCIATOR AND LCD DISPLAY



Digital display

- Individual charger voltmeter and ammeter readout
- Individual charger mode indication
- Individual Cut-in, Cut-out and system pressure readout

Annunciator and display panel

- 16 annunciator points c/w super bright red LED

Pressure setting field adjustments

- Accessible with main door closed
- Live settings adjustments visible on display

Manual operators

- Lamp test / silence push button
- Run test push button
- Print push button
- Paper feed push button



GFD MODEL



HOW TO ORDER: GFD - Negative ground - 12 or 24 VDC - Wall mounted - BCE - 10 - options
 Ex.: GFD - N - 12 - W - BCE - 10 - options

Tornatech Inc.
 7075, Place Robert-Joncas,
 Suite # 132,
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 H4M 2Z2
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 + 1 800 363 8448
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 45069 U.S.A.
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GFD-BRO-002/E Rev.3
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tornatech.com

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Diesel Engine Fire Pump Controller Micro-processor based



GFD MODEL

Diesel Engine Fire Pump Controller Micro-processor based

MAIN FEATURES:

- 15-day pressure and 15-day event recorder with RS-232 communication port for data retrieval
- IP 55 enclosure
- Two independent fully automatic battery chargers for 12 VDC or 24 VDC rated at 10 A.
- Automatic starting of engine on pressure drop as detected by a built-in 304 stainless steel pressure transducer rated for 0-300 PSI
- Manual starting of engine by manual crank push buttons
- Programmable time clock for Weekly Test and manual Run Test push button initiated by energizing of drain solenoid valve
- Manual and Automatic stop (programmable minimum run period timer)
- Sequential start timer (programmable)
- Automatic crank cycle as per NFPA 20
- Visual alarms as per NFPA 20
- 4" alarm bell
- AC and DC circuit breakers
- Master selector switch (Hand-Off-Auto)
- Provision for remote start and deluge valve start
- Anti-condensation heater and thermostat
- Tropicalization
- Remote alarm circuits rated 8A, 250 VAC for:
 - Engine Run (DPDT)
 - Selector Switch in Off or Hand (1 N/O)
 - Selector Switch in Auto (1 N/O)
 - Engine Trouble (1 DPDT):
 - Overspeed
 - High coolant temperature
 - Fail to start
 - Fail when running
 - Low oil pressure
- Controller trouble (1 DPDT):
 - Battery 1 or 2 failure
 - Pressure line failure
 - Charger 1 or 2 failure
- Pump room alarms (1 DPDT):
 - Low suction
 - Low pump room temperature
 - Low fuel level
 - High fuel level
 - Water reservoir low
 - AC failure battery chargers
 - Water reservoir empty
- Gland plate for incoming power and engine connections
- Dimensions 700mm high x 600mm long x 250mm wide
- Shipping weight 48 kg

• Digital annunciator

• 4" alarm bell

• Crank 1 push button

• Crank 2 push button

• Stop push button

• Hand-Off-Auto selector switch



• Pressure transducer and test solenoid valve



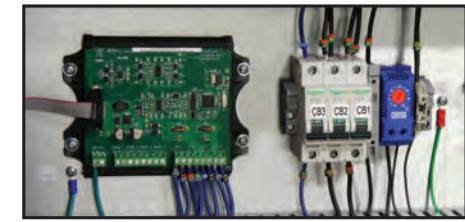
• RS-232 communication port for retrieval of pressure and event recordings



• Gland plate



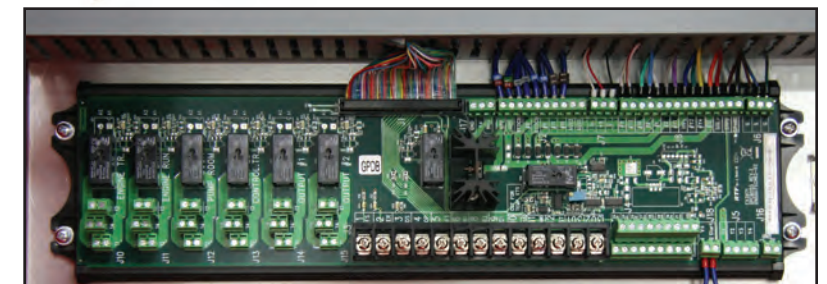
• Battery chargers



• AC and DC circuit breakers
• Communication circuit board
• Anti-condensation heater and thermostat



• Incoming power connection



• Engine and alarm connections

