

OPTIONAL FEATURES FOR MODEL GPD DIESEL ENGINE FIRE PUMP CONTROLLER

Type A: INDIVIDUAL ENGINE ALARM CONTACTS (DPDT)

- Option no. A1 Weekly test alarm contacts
- Option no. A2 Over speed alarm contacts
- Option no. A3 Low oil pressure alarm contacts
- Option no. A4 High temperature alarm contacts
- Option no. A5 Failure to start alarm contacts
- Option no. A6 Battery 1 & 2 failure alarm contacts (2 DPDT)
- Option no. A7 Charger 1 & 2 failure alarm contacts (2 DPDT)
- Option no. A8 AC failure alarm contacts

Type B: PUMP ROOM ALARM CONTACTS (DPDT)

- Option no. B1 Low fuel level alarm contacts
- Option no. B2 Water reservoir low alarm contacts
- Option no. B3 Water reservoir empty alarm contacts
- Option no. B4 Low pump room temperature alarm contacts
- Option no. B5 High fuel level alarm contacts
- Option no. B6 Low system pressure alarm contacts
- Option no. B7 Low suction pressure alarm contacts
- Option no. B8 Pump on demand alarm contacts

Type C: OPERATIONAL MODIFICATIONS

- Option no. C1 Lockout circuit from other equipment
- Option no. C2 Interlock circuit to an other fire pump controller
- Option no. C3 220 V. / 50-60 Hz incoming power
- Option no. C4 240 V. / 50-60 Hz incoming power
- Option no. C5 CE Listing c/w AC isolating switch (door interlocked), EMI filter and externally mounted wetted parts
- Option no. C6 Nickel - Cadmium battery chargers
- Option no. C7 Engine block heater circuit (same voltage as battery charger primary)
- Option no. C8 Foam pump controller (w/o valve kit and pressure transducer)
- Option no. C9 Non pressure actuated controller (w/o valve kit and pressure transducer)
- Option no. C10 Positive ground system (N replaced by P in Model no.)
- Option no. C13 Louver activation circuit
- Option no. C14 Delayed automatic start on AC power failure (factory set at 15 minutes)

Type D: MISCELLANEOUS

- Option no. D1 NEMA / UL / CSA 12 enclosure
- Option no. D2 NEMA / UL / CSA 4 enclosure
- Option no. D3 NEMA / UL / CSA 4X enclosure (waterproof, corrosion resistant, painted SS T-304)
- Option no. D4 Pressure transducer 600 PSI
- Option no. D5 Stainless steel pressure transducer 300 PSI (SS 316) and piping
- Option no. D6 Stainless steel pressure transducer 600 PSI (SS 316) and piping

- Option no. D7A Low fuel level float switch supplied as separate item (1.1/4")
- Option no. D7B Low fuel level float switch supplied as separate item (1.1/2")
- Option no. D8A High fuel level float switch supplied as separate item (1.1/4")
- Option no. D8B High fuel level float switch supplied as separate item (1.1/2")
- Option no. D9A Anti condensation heater & thermostat
- Option no. D9B Anti condensation heater & humidistat
- Option no. D10 Low pump room temperature thermostat (fixed at 40 deg. F / 5 deg. C)
- Option no. D11 Low suction pressure switch mounted inside controller
- Option no. D12 Tropicalization
- Option no. D13 Modem for remote monitoring
- Option no. D15 Externally mounted wetted parts
- Option no. D16 Omit mounting feet (W is replaced by a F in the model no.)
- Option no. D17 French labelling
- Option no. D18 Spanish labelling
- Option no. D19 Labelling in language other than English, French or Spanish

Type H: EXPORT PACKING

- Option no. H1 Export crating for one controller (For multiple controllers, contact factory.)



DIESEL ENGINE FIRE PUMP CONTROLLER

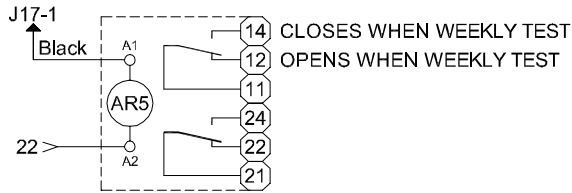
OPTIONS TYPE A (ENGINE ALARM CONTACTS) MODEL : GPD

Options A1 to A9

BUILT TO LATEST NFPA 20 STANDARD EDITION

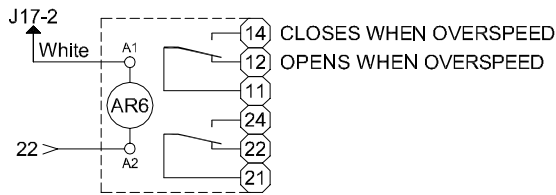
OPTION No. A1 : WEEKLY TEST ALARM

PART REQUIRED : - AR5 : ALARM RELAY



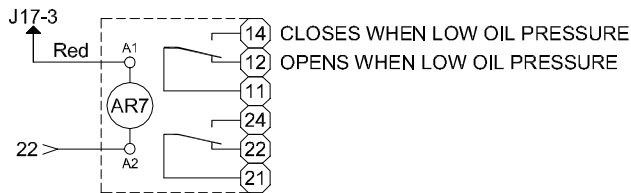
OPTION No. A2 : OVERSPEED ALARM

PART REQUIRED : - AR6 : ALARM RELAY



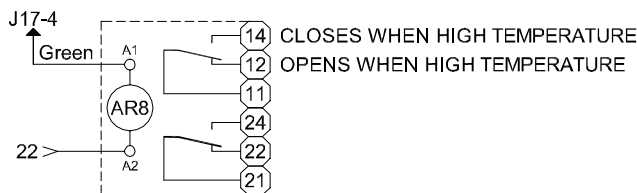
OPTION No. A3 : LOW OIL PRESSURE ALARM

PART REQUIRED : - AR7 : ALARM RELAY



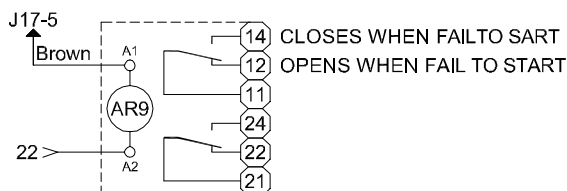
OPTION No. A4 : HIGH TEMPERATURE ALARM

PART REQUIRED : - AR8 : ALARM RELAY



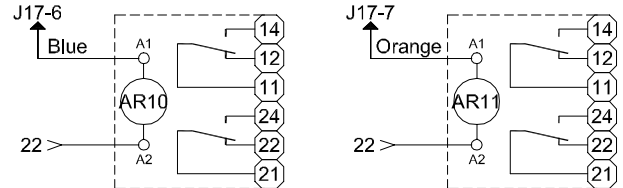
OPTION No. A5 : FAILURE TO START ALARM

PART REQUIRED : - AR9 : ALARM RELAY



OPTION No. A6 : BATTERY 1&2 FAILURE ALARM

PARTS REQUIRED : - AR10 : ALARM RELAY
- AR11 : ALARM RELAY

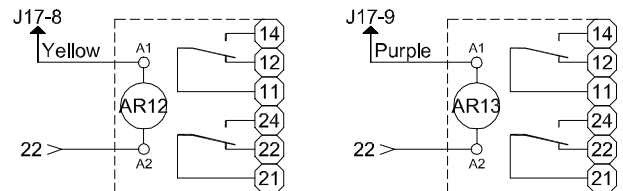


BATTERY 1 FAILURE

BATTERY 2 FAILURE

OPTION No. A7 : CHARGER 1&2 FAILURE ALARM

PARTS REQUIRED : - AR12 : ALARM RELAY
- AR13 : ALARM RELAY

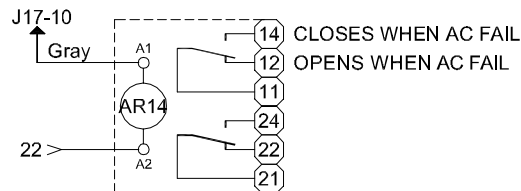


▲ CHARGER 1 FAILURE

CHARGER 2 FAILURE

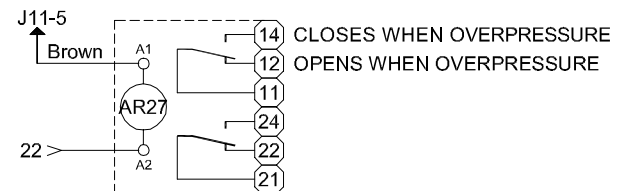
OPTION No. A8 : AC FAILURE ALARM

PART REQUIRED : - AR14 : ALARM RELAY



OPTION No. A9 : SYSTEM OVERPRESSURE

PART REQUIRED : - AR27 : ALARM RELAY



Drawing for information only.
Manufacturer reserves the right to modify this drawing without notice.
For drawing for approval or installation, please contact manufacturer.



ISO 9001 REGISTERED



REV.	DATE	DESCRIPTION	APP.
3.	04/10/18	OPTION A9 REVISED	A
2.	04/10/05	OPTION A9 ADDED	DES.
1.	03/08/18	RELAY COIL CHANGED	VER.

DRAWING No. GPD-OPT010/E

DIESEL ENGINE FIRE PUMP CONTROLLER

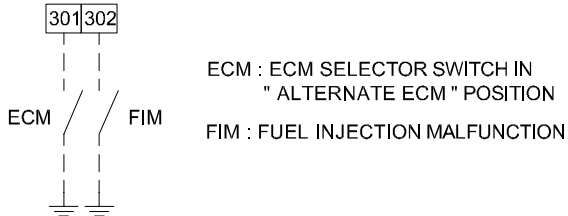
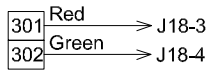
OPTIONS TYPE A (ENGINE ALARM SIGNALS)

MODEL :GPD

Options A10 to A10

BUILT TO LATEST NFPA 20 STANDARD EDITION

- OPTION No. A10 : ENGINE WITH ECM
(Electronic Control Module)



NOTE :

ECM : TRIGGERS PERMANENT BUZZER - ENGINE TROUBLE.
 FIM : TRIGGERS PERMANENT BUZZER - ENGINE TROUBLE.
 FIM : DISABLES WEEKLY TEST.

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GPD OPT

REV.	DATE	DESCRIPTION	APP.
1.	06/04/26	GENERAL REVISION	DES.
0.	04/10/18	FIRST ISSUE	VER.

DRAWING No.

GPD-OPT011/E