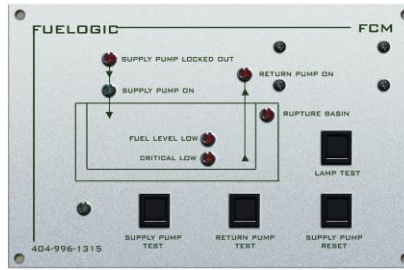


## FCM & FCM-RF



### Function

- Supply pump control
- Return Pump control (FCM-RF : Reduced function, omits return pump control)
- Supply and return solenoid valve control

### Features

- Not susceptible to RF interference
- Supply pump test pushbutton
- Return pump test pushbutton
- LED test pushbutton
- Supply pump lock out and manual reset in the event return pump on or critical high (FCM-RF) is experienced
- Simple, reliable, high quality, full function “No programming required”

### LED Indication and customer use Form C 12A/28vdc rated dry or wet contacts

- Fuel level Low (Red)
- Fuel level Critical low (Red)
- Rupture Basin alarm (UL142 and 2085 tanks) (Red)
- Supply Pump on (Green)
- Return pump on (Critical high for FCM-RF) (Red)
- Power Supply On (Green)

**Control Power Supply** - 24Vdc.

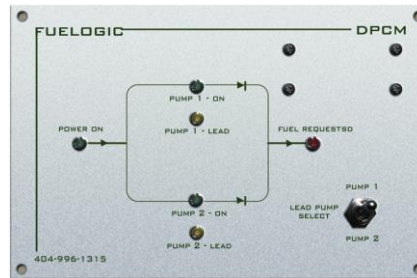
**AC Power supply for pumps**, 1P-120, 3P-208,240,480

### Installation suitability

- PCB (9”x6.75”) and Fascia (9”x 6”) can be mounted in vibration reduced generating set cabinets
- Assembled in polycarbonate wall or tank mount box c/w with pump contactors / overloads as required
- Designed for use with Fuelogic FCM-F08 float switch and wave tube assembly
- Dual Duty/Standby supply pump capable with addition of DPCM Module.

## SYSTEM OVERVIEW DATA SHEET – MISSION CRITICAL

**DPCM** (can be supplied as an OEM control package or as part of dual pump ‘plug and play’ cabinet c/w leak detection)



### Function

- Control of dual pumps, Pump selected for duty runs on request from FCM (or FCM-RF). Standby pump starts in the event of failure of duty pump.

### Features

- Suitable for multi-engine installation, can receive up to (6) fuel request signals
- Duty / Standby selector switch.
- 3 wire connection (24VDC) between FCM or FCM-RF and DPCM
- Common ribbon cable between DPCM PCB and FCM PCB and respective Fascia panels
- Simple, reliable, high quality, full function “No programming required”
- E Stop and leak detection options
- Not susceptible to RF interference

### LED Indication and customer use Form C 12A/28vdc rated dry or wet contacts

- Pump 1 or 2 Selected as lead /duty (Yellow)
- Pump 1 or 2 running (Green) (24vdc wet output only)
- Power on (Green) (24vdc wet output only)
- Fuel requested (Red) (Customer indication of pump running from FCM)

### Installation suitability

- PCB (9”x6.75”) and Fascia (9”x 6”) can be mounted in vibration reduced generating set cabinets
- Option 1 - Assembled along with FCM in polycarbonate wall or tank mount box c/w with pump contactors / overloads as required.
- Option 2 Assembled as part of supply sump cabinet
- Designed for use with FCM or FCM-RF

## FCM-F08 Float switch assembly



### Function

- Provides level indication to FCM or FCM-RF of Critical low - 20%, Low level Alarm – 40%, Low 50% (pump on), Reverse Pump off – 70%, Normal High, 90%, Critical high 95%). *Percentages approximate / recommended.*
- Can be supplied with fewer floats as required for alternate uses such as critical low and low level alarm etc.

### Features

- Robust – high quality. >UL142 pressure rated.
- Fully maintainable / repairable
- Non Ferrous float stems. Numbered float positions for standardization and to eliminate possibility of opposite pole magnetic influence between floats.
- Stem spacer disks provided for longer depth float stems
- Buna Floats, reed switch rating 50 watts. Max temp 120°C (248°F)
- Standardized mounting / wiring platform
- Individual floats adjustable plus/minus 1" of standard configuration for level fine tuning.
- Wave tube ensures float stability in disturbed fuel and remains uncontaminated from pipe dope and other floating debris in tank. Shall be installed with FCM/FCM-RF applications.

### Installation suitability

- Designed for use with FCM or FCM-RF
- Can be used for non FCM applications
- Weld flange FCM-FM02 available for welding to tank. Use Gasket FCM-F03 (60 Dura Buna N)
- Retrofit Flange FCM-F04& F05 available. REQUIRES NO WELDING OR TANK DRAIN DOWN, Patent Pending.