

FPC-15625 & FPC-15627 - WITH BMS

HARDWARE FEATURES

Enclosure:

- IP56 weatherproof rating
- Powder coated mild steel
- Inner door and removable gland plate

Protection:

- Padlockable mains power isolator switch
- Circuit breaker protected low voltage control and input circuitry
- Contactor and thermal overload protection of pumps
- Electronic short and overload protection of strobe/buzzer

Alarms:

- Visual (strobe) and audible (buzzer) alarms

Control & interface:

- Advanced HMI with backlit LCD screen & navigation keys
- Visual and audible alarm mute/reset/test button
- System and pump status overview
- Auto/off/manual operation of pumps
- Alarm display and reset screen
- Logged data for start and fault counters, pump run hours
- Input configuration and parameter adjustment
- Tank/pit level display (with transducer connected)
- Password protection

Inputs:

- 1x analogue 4-20mA input for hydrostatic transducer
- 3x digital 24Vdc inputs for float/pressure/flow switches
- Standard terminal setup: Low level, pump stop, pump start and high level float switches

Outputs:

- 1x pump supply output
- BMS volt free outputs for power on, high level, pump run and pump fault
- Modbus RS485 connections

FUNCTION FEATURES

Operation:

- Anti seize timer runs pump periodically during low use
- Optional time out on manual pump mode
- Maximum idle time ensures minimum tank level is maintained
- Level alarm delay avoiding nuisance alarms
- Current loop reverse operation for maintain pressure or emptying, rather than filling, a tank
- Smart auto silencing and chirp mode alarm

Fault protection:

- Pump overload shut-down
- High level alarm
- Low level alarm and shut-down
- Low pressure alarm (with pressure switch)
- Low flow/prime loss shut-down (with flow switch)
- Optional maximum pump run time shut-down
- Optional transducer fault alarm

OPTIONAL MODIFICATIONS

- 316 stainless steel enclosure
- Free standing enclosure with plinth
- Separate compartment for power authority meters
- Generator input socket and automatic changeover
- Battery backup high level alarm
- 4G SMS alarm sender
- Modbus TCP gateway with ethernet port
- Conductivity relays and probe inputs
- Mains bypass or tank top up control with solenoid valve

COMMON APPLICATIONS

Level Control:

- Submersible sewage
- Submersible storm water
- Transfer pumping

Pressure control:

- Pressure boosting

With modifications:

- Rain/mains changeover



SINGLE PHASE (230 VAC) - FPC-15625 RANGE

Code	Overload Rating	Enclosure Size
FPC-15625-AA	1.6 - 2.5 Amp	400x400x250mm
FPC-15625-A	2.5 - 4 Amp	400x400x250mm
FPC-15625-B	4 - 6 Amp	400x400x250mm
FPC-15625-BB	5.5 - 8 Amp	400x400x250mm
FPC-15625-C	7 - 10 Amp	400x400x250mm
FPC-15625-D	9 - 13 Amp	400x400x250mm
FPC-15625-E	12 - 18 Amp	400x400x250mm

THREE PHASE (400 VAC) - FPC-15627 RANGE

Code	Overload Rating	Enclosure Size
FPC-15627-AA	1.6 - 2.5 Amp	400x400x250mm
FPC-15627-A	2.5 - 4 Amp	400x400x250mm
FPC-15627-B	4 - 6 Amp	400x400x250mm
FPC-15627-BB	5.5 - 8 Amp	400x400x250mm
FPC-15627-C	7 - 10 Amp	400x400x250mm
FPC-15627-D	9 - 13 Amp	400x400x250mm
FPC-15627-E	12 - 18 Amp	400x400x250mm

Additional overload ratings available on request

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Specifications are subject to change without notice | Images are a guide only and may differ from actual product