

FPC-36020 & FPC-36040

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
- Individual pump isolation
- 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
- System and pump status overview
- Auto/off/manual operation of pumps
- Alarm display screen and mute button
- Logged data for start & 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
- 4x digital 12Vdc inputs for float/pressure/flow switches
- Standard terminal setup: Low level, pump stop, pump start and high level float switches

Outputs:

- 2x pump supply outputs
- 1x BMS volt free output for common fault
- Modbus RS485 connections

FUNCTION FEATURES

Operation:

- Maximum run timer and auto alternation of pump duty
- Anti seize timer runs pumps periodically during low use
- Optional time out on manual pump mode
- Maximum idle time ensures minimum tank level is maintained
- Staggered pump start and stop
- Pump limiting allows only 1 pump to run at a time
- Static lead pump for applications with low average flows but high peak flows
- 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 and shut-down (with pressure switch)
- Low flow/prime loss shut-down (with flow switch)
- Optional maximum pump run time shut-down
- Optional transducer fault alarm (with transducer)

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
- 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
- Hot water circulation

With modifications:

- Rain/mains changeover



SINGLE PHASE (230VAC) - FPC-36020 RANGE

Code	Overload Rating	Enclosure Size
FPC-36020-AA	1.6 - 2.5 Amp	400x400x250mm
FPC-36020-A	2.5 - 4 Amp	400x400x250mm
FPC-36020-B	4 - 6 Amp	400x400x250mm
FPC-36020-BB	5.5 - 8 Amp	400x400x250mm
FPC-36020-C	7 - 10 Amp	400x400x250mm
FPC-36020-D	9 - 13 Amp	400x400x250mm
FPC-36020-E	12 - 18 Amp	400x400x250mm

THREE PHASE (400 VAC) - FPC-36040 RANGE

Code	Overload Rating	Enclosure Size
FPC-36040-AA	1.6 - 2.5 Amp	400x400x250mm
FPC-36040-A	2.5 - 4 Amp	400x400x250mm
FPC-36040-B	4 - 6 Amp	400x400x250mm
FPC-36040-BB	5.5 - 8 Amp	400x400x250mm
FPC-36040-C	7 - 10 Amp	400x400x250mm
FPC-36040-D	9 - 13 Amp	400x400x250mm
FPC-36040-E	12 - 18 Amp	400x400x250mm

Additional overload ratings available on request

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