

## FPC-30020 & FPC-30040 - WITH INNER DOOR

### 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:

- Electronic Keypad
- Indicator lights for power on, level alarm, pump run/fault
- Visual and audible alarm mute/reset/test button
- Auto/off/manual operation of pumps
- Dipswitches for input and operation configuration

Inputs:

- 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

### 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
- Level alarm delay avoiding nuisance alarms
- 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 MODIFICATIONS

- 316 stainless steel enclosure
- Generator input socket and automatic changeover
- Battery backup high level alarm
- 4G SMS alarm sender
- Conductivity relays and probe inputs

### COMMON APPLICATIONS

Level Control:

- Submersible sewage
- Submersible storm water
- Transfer pumping

Pressure control:

- Pressure boosting

Alternative versions available for:

- Rain/mains changeover (FPC-32020 & FPC-32040)
- Hot water circulation (FPC-30005 & FPC-30007)



### SINGLE PHASE (230VAC) - FPC-30020 RANGE

Code	Overload Rating	Enclosure Size
FPC-30020-AA	1.6 - 2.5 Amp	400x300x200mm
FPC-30020-A	2.5 - 4 Amp	400x300x200mm
FPC-30020-B	4 - 6 Amp	400x300x200mm
FPC-30020-BB	5.5 - 8 Amp	400x300x200mm
FPC-30020-C	7 - 10 Amp	400x300x200mm
FPC-30020-D	9 - 13 Amp	400x300x200mm
FPC-30020-E	12 - 18 Amp	400x400x200mm

### THREE PHASE (400 VAC) - FPC-30040 RANGE

Code	Overload Rating	Enclosure Size
FPC-30040-AA	1.6 - 2.5 Amp	400x400x200mm
FPC-30040-A	2.5 - 4 Amp	400x400x200mm
FPC-30040-B	4 - 6 Amp	400x400x200mm
FPC-30040-BB	5.5 - 8 Amp	400x400x200mm
FPC-30040-C	7 - 10 Amp	400x400x200mm
FPC-30040-D	9 - 13 Amp	400x400x200mm
FPC-30040-E	12 - 18 Amp	400x400x200mm

Additional overload ratings available on request