

## FPC-30010 & FPC-30030 - SINGLE DOOR

### HARDWARE FEATURES

#### Enclosure:

- IP54 weatherproof rating
- Powder coated mild steel
- 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
- Audible and visual alarm mute/reset/test button
- Auto/off/manual operation of pumps
- Dipswitches for input and operation configuration

#### Inputs:

- 3x digital 12Vdc inputs for float/pressure/flow switches
- Standard terminal setup: 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
- Optional low level alarm & shut-down (with low level float)
- 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

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

### COMMON APPLICATIONS

#### Level Control:

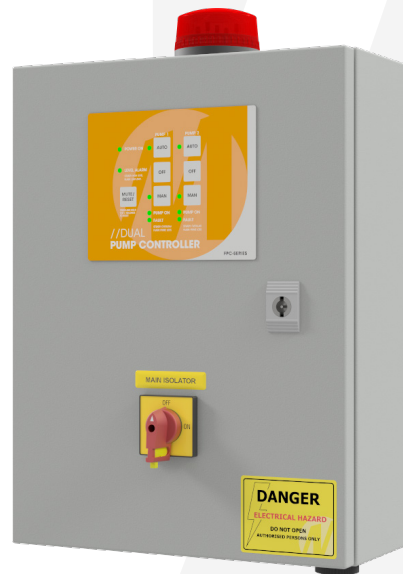
- Submersible sewage
- Submersible storm water
- Transfer pumping

#### Pressure control:

- Pressure boosting

#### Alternative versions available for:

- Hot water circulation (FPC-30005 & FPC-30007)



### SINGLE PHASE (230VAC) - FPC-30010 RANGE

Code	Overload Rating	Enclosure Size
FPC-30010-AA	1.6 - 2.5 Amp	400x300x150mm
FPC-30010-A	2.5 - 4 Amp	400x300x150mm
FPC-30010-B	4 - 6 Amp	400x300x150mm
FPC-30010-BB	5.5 - 8 Amp	400x300x150mm
FPC-30010-C	7 - 10 Amp	400x300x150mm
FPC-30010-D	9 - 13 Amp	400x300x150mm

### THREE PHASE (400 VAC) - FPC-30030 RANGE

Code	Overload Rating	Enclosure Size
FPC-30030-AA	1.6 - 2.5 Amp	400x300x150mm
FPC-30030-A	2.5 - 4 Amp	400x300x150mm
FPC-30030-B	4 - 6 Amp	400x300x150mm
FPC-30030-BB	5.5 - 8 Amp	400x300x150mm
FPC-30030-C	7 - 10 Amp	400x300x150mm
FPC-30030-D	9 - 13 Amp	400x300x150mm

For higher overload ratings, see controllers with inner doors (FPC-30020 & FPC-30040)