

FPC-32220 & FPC-32240 - 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
- Individual pump isolation
- Contactor and thermal overload protection of pumps
- Electronic short and overload protection of buzzer/strobe

Alarms:

- Visual (strobe) and audible (buzzer) alarms

Control & interface:

- Electronic keypad
- Indicator lights for power on, level alarm, pump run/fault, rain/mains water and system fault
- Audible and visual alarm mute/reset/test button
- System test button for checking pump and valve function
- Auto/off/manual operation of pumps
- Dipswitches for input and operation configuration

Input options:

- 4x digital 12Vdc inputs for float/pressure/flow switches
- Standard terminal setup: Low level float switch and lead/lag/low pressure switches

Outputs:

- 2x pump supply outputs
- 12Vdc output for solenoid valve
- BMS volt free outputs for power on, mains water, pump run and pump fault

Included with panel:

- 25mm female/female 12Vdc pulse latching solenoid valve

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
- Staggered pump start
- Smart auto silencing and chirp mode alarm
- If rain water becomes available, the controller pulse closes the mains water valve and the pump will provide rain water
- In the event of rain water depletion, pump fault, prime loss or power failure, the controller shuts off the pump and pulses the valve open for mains water use

Fault protection:

- Pump overload shut-down
- Low level pump shut-down
- Low flow/prime loss shut-down
- Optional maximum pump run timer

OPTIONAL MODIFICATIONS

- 316 stainless steel enclosure
- Generator input socket and automatic changeover
- 4G SMS alarm sender
- Conductivity relays and probe inputs
- Other valve sizes available



SINGLE PHASE (230VAC) - FPC-32220 RANGE

Code	Overload Rating	Enclosure Size
FPC-32220-AA	1.6 - 2.5 Amp	400x400x200mm
FPC-32220-A	2.5 - 4 Amp	400x400x200mm
FPC-32220-B	4 - 6 Amp	400x400x200mm
FPC-32220-BB	5.5 - 8 Amp	400x400x200mm
FPC-32220-C	7 - 10 Amp	400x400x200mm
FPC-32220-D	9 - 13 Amp	400x400x200mm
FPC-32220-E	12 - 18 Amp	400x400x200mm

THREE PHASE (400 VAC) - FPC-32240 RANGE

Code	Overload Rating	Enclosure Size
FPC-32240-AA	1.6 - 2.5 Amp	400x400x200mm
FPC-32240-A	2.5 - 4 Amp	400x400x200mm
FPC-32240-B	4 - 6 Amp	400x400x200mm
FPC-32240-BB	5.5 - 8 Amp	400x400x200mm
FPC-32240-C	7 - 10 Amp	400x400x200mm
FPC-32240-D	9 - 13 Amp	400x400x200mm
FPC-32240-E	12 - 18 Amp	400x400x200mm

Additional overload ratings available on request