



Quad Pump

Triplex Pump

Dual Pump

Single Pump

## HARDWARE FEATURES

### Enclosure:

- IP54 rated, powder coated mild steel enclosure with removable gland plate

### Protection:

- Pad-lockable mains power isolator switch
- Circuit breaker protected low voltage control and input circuitry
- Circuit breakers for individual pump isolation
- Din rail mounted terminal connections

### Control & interface:

- Indicator lights for system enabled, individual pump run and fault
- Selector switch for system enable/disable control

### Inputs:

- Single phase (230Vac) or three phase (400Vac) power supply
- 24Vac digital input for float switch
- 1 to 4x 24Vac pump run and fault inputs

### Outputs:

- 1 to 4x pump supply outputs
- Master pump/system enable volt free output
- BMS volt free outputs for individual pump run and fault
- 24Vac output for N.O. solenoid valve (Deluxe+ range only)

### Included with panel:

- Pre-connected power and control cables for each pump

## FUNCTION FEATURES

- Provides constant power to variable speed drives
- Compatible with many brands of motor mount variable speed drives
- Pump enable/run signal from float switch input
- System enable/disable switch allows for control circuit pump isolation
- In the event of low rain water, pump fault or power failure, the controller de-energises the valve output, opening the valve for mains water use (Deluxe+ range only)

## COMMON APPLICATIONS

- Pressure pumping systems
- Irrigation pumping
- Building services

## MODIFICATION OPTIONS

- 316 stainless steel enclosure
- Jockey pump/duty pump configuration
- Door mount isolator with interlocking handle
- Tank level meter

## POWER DISTRIBUTION BOARDS - DELUXE RANGE

| Code      | No of Pumps | Phase / Voltage   | kW Rating Options | Enclosure Size |
|-----------|-------------|-------------------|-------------------|----------------|
| FPC-35111 | 1           | 1 Phase / 230Vac  | -1.5 to -2.2      | 400x300x150mm  |
| FPC-35131 | 1           | 3 Phase / 400 Vac | -1.5 to -22       | 400x300x150mm  |
| FPC-35112 | 2           | 1 Phase / 230Vac  | -1.5 to -2.2      | 400x400x200mm  |
| FPC-35132 | 2           | 3 Phase / 400 Vac | -1.5 to -22       | 400x400x200mm  |
| FPC-35113 | 3           | 1 Phase / 230Vac  | -1.5 to -2.2      | 400x400x200mm  |
| FPC-35133 | 3           | 3 Phase / 400 Vac | -1.5 to -22       | 500x500x300mm+ |
| FPC-35114 | 4           | 1 Phase / 230Vac  | -1.5 to -2.2      | 500x500x300mm  |
| FPC-35134 | 4           | 3 Phase / 400 Vac | -1.5 to -22       | 600x600x300mm+ |

Note: Enclosure sizes will increase as power ratings increase

## POWER DISTRIBUTION BOARDS - DELUXE+ (RAIN/MAINS) RANGE

| Code      | No of Pumps | Phase / Voltage   | kW Rating Options | Enclosure Size |
|-----------|-------------|-------------------|-------------------|----------------|
| FPC-35411 | 1           | 1 Phase / 230Vac  | -1.5 to -2.2      | 400x300x150mm  |
| FPC-35431 | 1           | 3 Phase / 400 Vac | -1.5 to -22       | 400x300x150mm  |
| FPC-35412 | 2           | 1 Phase / 230Vac  | -1.5 to -2.2      | 400x400x200mm  |
| FPC-35432 | 2           | 3 Phase / 400 Vac | -1.5 to -22       | 400x400x200mm  |
| FPC-35413 | 3           | 1 Phase / 230Vac  | -1.5 to -2.2      | 400x400x200mm  |
| FPC-35433 | 3           | 3 Phase / 400 Vac | -1.5 to -22       | 500x500x300mm+ |
| FPC-35414 | 4           | 1 Phase / 230Vac  | -1.5 to -2.2      | 500x500x300mm  |
| FPC-35434 | 4           | 3 Phase / 400 Vac | -1.5 to -22       | 600x600x300mm+ |

Note: Enclosure sizes will increase as power ratings increase

### KW RATING OPTIONS

| Code Suffix | Power Rating |
|-------------|--------------|
| -1.5        | 1.5 kW       |
| -2.2        | 2.2 kW       |
| -3.0        | 3.0 kW       |
| -4.0        | 4.0 kW       |
| -5.5        | 5.5 kW       |
| -7.5        | 7.5 kW       |
| -11         | 11.0 kW      |
| -15         | 15.0 kW      |
| -18.5       | 18.5 kW      |
| -22         | 22.0 kW      |

Additional kW ratings available on request