A background image of water splashing, with a vertical stream of water falling from the top and a larger splash at the bottom, creating a sense of motion and freshness. The water is rendered in a light, semi-transparent style against a white background.

# Pump Controller Auxiliary Equipment

## Section 3

# Pump Control Auxiliary Equipment

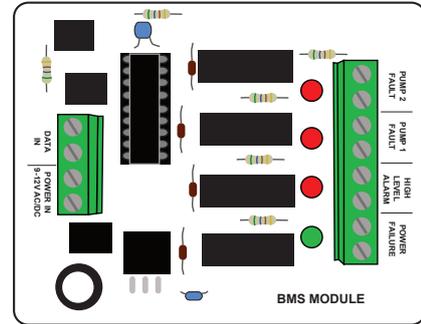
## BMS Module



FPC-30110

### Building Management System - BMS Module

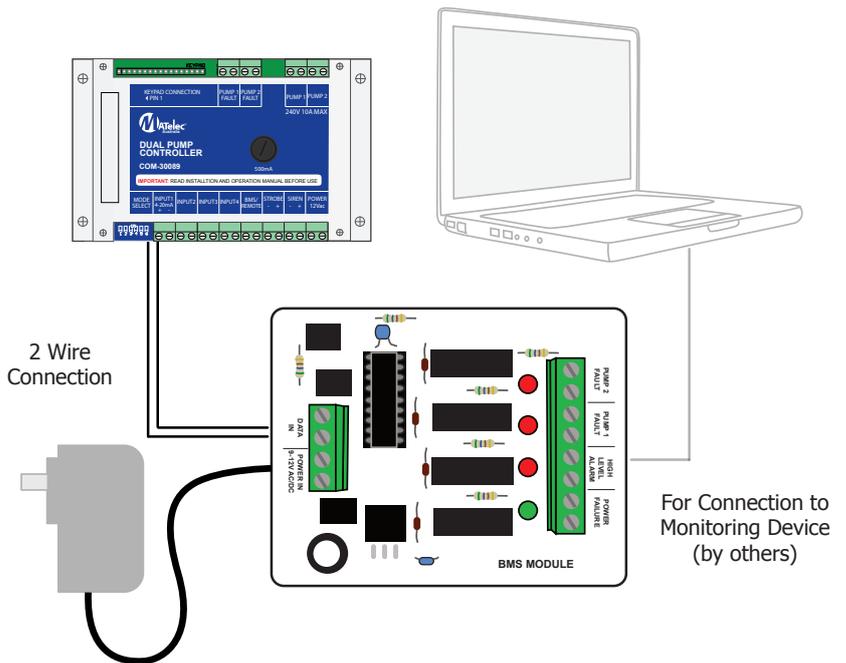
A unique feature of the FPC-300 Dual Pump Controller is the coded Data Output, which can be utilized to provide a signal to a remote, compatible device such as this BMS Module. The unique feature is that the coded data signal, derived from the Pump Controller's micro processor, is conveyed through a low voltage, 2 wire connection and then decoded by the BMS Module micro controller. Once the signal is decoded the micro controller provides four voltage free relay outputs for interfacing with a computer or other monitoring equipment. An additional feature of the BMS Module is the inclusion of indicator lights on the circuit board, which can be viewed through the clear enclosure lid, indicating relay 'switched' status. The module operates on 9 - 12V ac/dc and is supplied complete with power pack.



FPC-30110

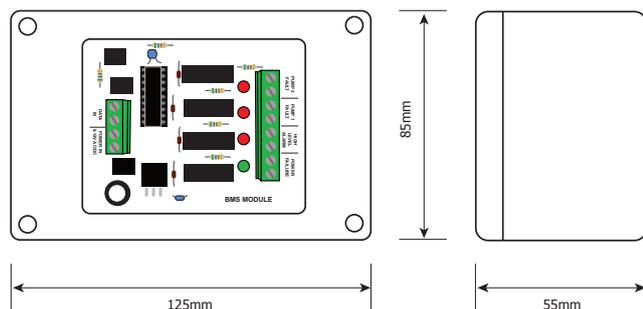
### Wiring

Two core communication cable  
Distance between pump controller and BMS Module - up to 150 meters



### Kit Includes

- BMS Control Card
- Power Pack
- Polycarbonate Enclosure with Clear Lid



# Pump Control Auxiliary Equipment

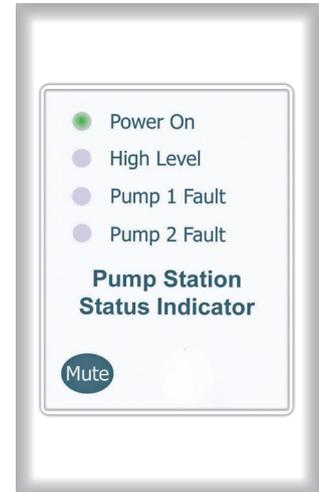
## Remote Status Indicator-Dual Pump



### FPC-30100 Remote Status Indicator

A unique feature of the FPC-300 Dual Pump Controller is the coded Data Output, which can be utilized to provide a signal to a remote, compatible device such as this Remote Status Indicator. The unique feature is that the coded data signal, derived from the Pump Controller's micro processor, is conveyed through a low voltage 2 wire connection and then decoded by the Remote Status Indicator's micro controller. Once the signal is decoded the micro controller provides four outputs to LED's and a Buzzer mounted on the circuit board. Conditions displayed by the remote indicator include 'power on', 'high level', 'pump 1 fault' and 'pump 2 fault'. The indoor indicator is mounted on an attractive wall plate, which incorporates the four indicator lights, plus the buzzer and mute button.

As soon as an alarm condition occurs at the pump station, the appropriate LED on the indicator is illuminated and the Buzzer starts to sound. The Buzzer will automatically silence after 5 minutes. The Buzzer can also be muted by way of the Mute button. The Alarm light will remain illuminated until the fault condition is remedied.



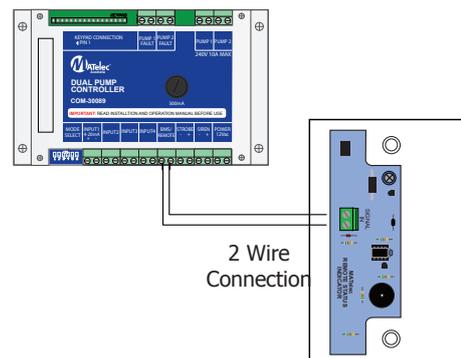
FPC-30100

### Wiring

Two core communication cable  
Distance between pump controller and RSI - up to 150 meters

### Kit Includes

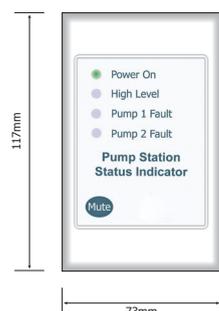
- Mounting Plate
- PCB
- Plaster Bracket
- Mounting Screws



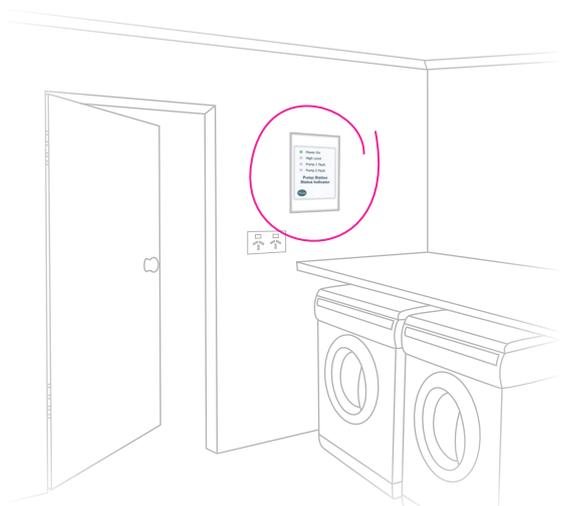
No external power source required

### Indoor Wall Mount Display

The wall mount display is the size of a typical light switch, featuring sub-surface LED's and Mute button. The use of a UV stabilized membrane overlay, ensures a long lasting 'new look' is maintained.



Standard Switch Plate Size



# Pump Control Auxiliary Equipment

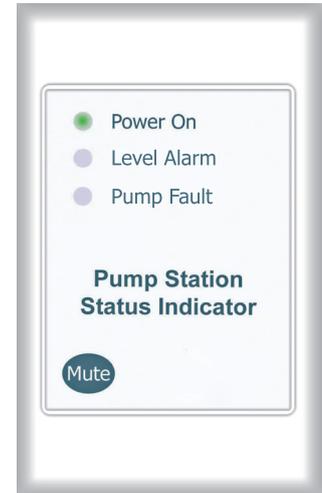
## Remote Status Indicator-Single Pump



### FPC-15100 Remote Status Indicator

A unique feature of the FPC-1500 Single Pump Controller is the coded Data Output, which can be utilized to provide a signal to a remote, compatible device such as this Remote Status Indicator. The unique feature is that the coded data signal, derived from the Pump Controller's micro processor, is conveyed through a low voltage 2 wire connection and then decoded by the Remote Status Indicator's micro controller. Once the signal is decoded the micro controller provides three outputs to LED's and a Buzzer mounted on the circuit board. Conditions displayed by the remote indicator include 'power on', 'high level' and 'pump fault'. The indoor indicator is mounted on an attractive wall plate, which incorporates the four indicator lights, plus the buzzer and mute button.

As soon as an alarm condition occurs at the pump station, the appropriate LED on the indicator is illuminated and the Buzzer starts to sound. The Buzzer will automatically silence after 5 minutes. The Buzzer can also be muted by way of the Mute button. The Alarm light will remain illuminated until the fault condition is remedied.



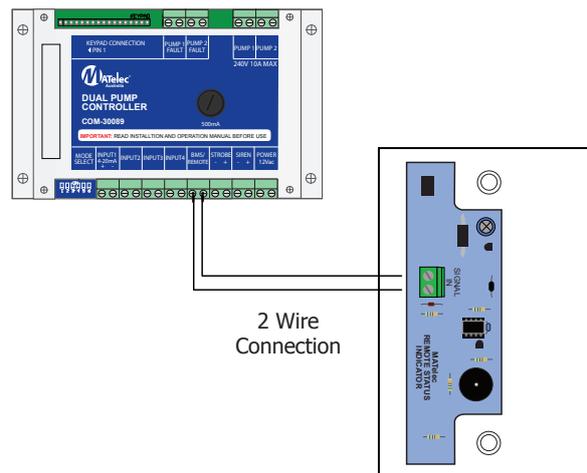
FPC-15100

### Wiring

Two core communication cable  
Distance between pump controller and RSI - up to 150 meters

### Kit Includes

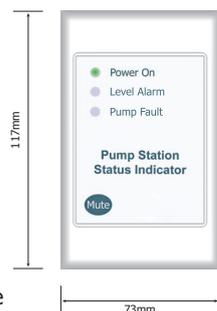
- Mounting Plate
- PCB
- Plaster Bracket
- Mounting Screws



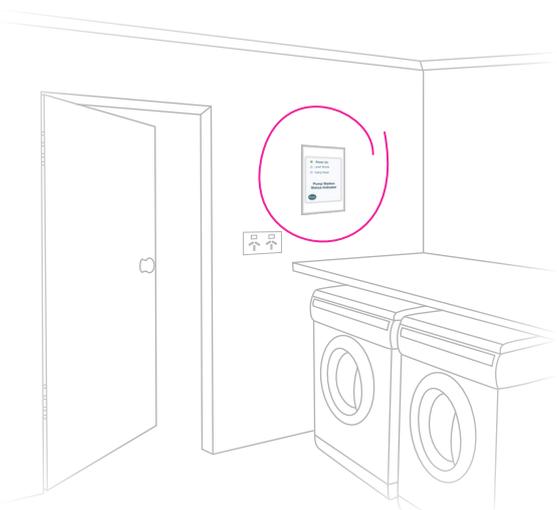
No external power source required

### Indoor Wall Mount Display

The wall mount display is the size of a typical light switch, featuring sub-surface LED's and Mute button. The use of a UV stabilized membrane overlay, ensures a long lasting 'new look' is maintained.



Standard Switch Plate Size



# Pump Control Auxiliary Equipment

## SMS Alarm Sender



FPC-30120

### SMS Alarm Sender

A unique feature of the FPC-300 Dual Pump Controller is the coded Data Output, which can be utilized to provide a signal to a remote, compatible device such as this SMS Alarm Sender. The unique feature is that the coded data signal, derived from the Pump Controller's micro processor, is conveyed through a low voltage 2 wire connection and then decoded by the BMS unit. Once the signal is decoded the micro controller provides four inputs to the GSM modem which then in turn, sends SMS messages as configured.

### Features

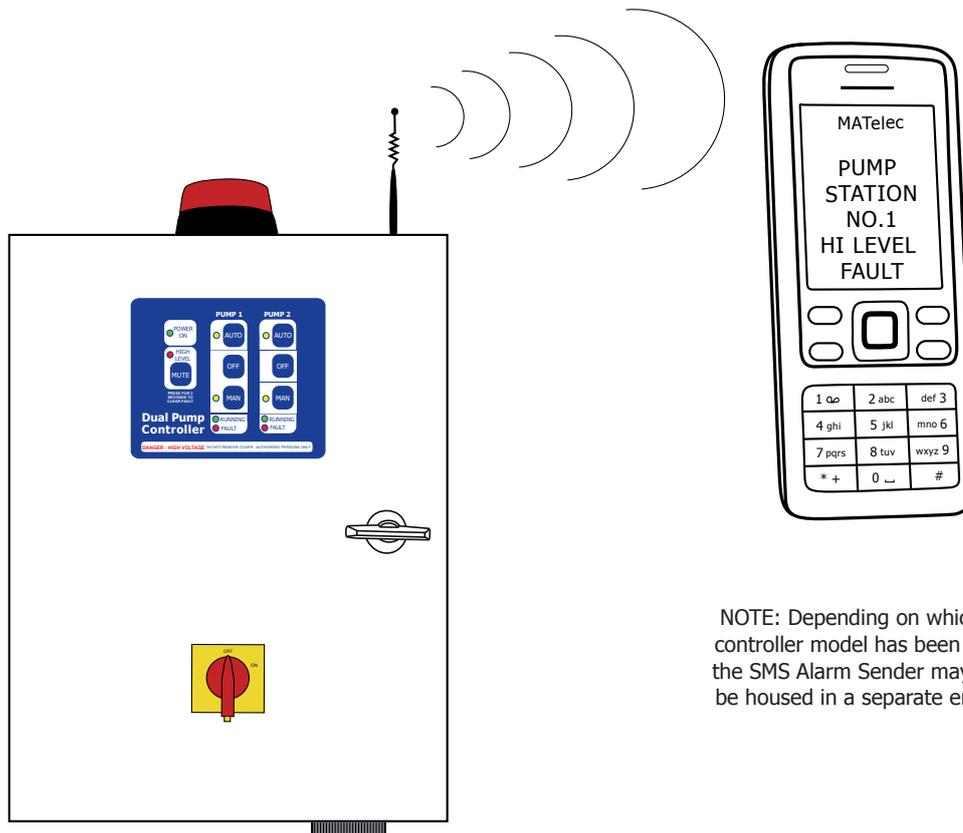
- Up to 5 separate phone numbers to send messages to
- Sending of a descriptive message whenever an alarm condition is initiated or cleared
- Sending of alert message if backup battery voltage drops too low

### Kit Includes

- GSM modem (preconfigured with supplied phone numbers and SIM code)
- Antenna to suit
- 1.7Ah or 3Ah SLA battery
- 12V Power supply / battery charger

### Notes

In order to pre-configure the GSM modem, the customer will need to supply an active SIM card, along with; up to 5 Phone numbers, all of which are messaged upon an alarm action. SIM code, so that the GSM modem can access the SIM card. Station name, to be included in any SMS sent, for identifying which pump station has sent the message.



NOTE: Depending on which pump controller model has been ordered, the SMS Alarm Sender may need to be housed in a separate enclosure.

## FPC-15010 - Overview

FPC-15 Series Pump Controller Configuration and Data Log Device is an extremely useful setup tool, which works in conjunction with the 15000 Series Single Pump Controller. The device interconnects directly with the PCB and is able to both, configure a variety of features, as well as report logged data. The device has an LCD screen, arrow and enter keys making it very user friendly.

## Features

### Configurable Features:

- Manual mode timeout
- High level - enable
- High Level alarm - delay time
- High level alarm - automatic reset
- Low level alarm - enable
- Max idle timer - enable
- Max idle time
- Anti-seize timer - enable
- Anti-seize time
- Anti-seize run time
- Max run timer - enable
- Max run time
- Max run cool down time
- High pressure current sensing - enable
- High pressure current limit
- Overload current sensing - enable
- Overload current limit

### Logged Data:

- Number of pump starts
- Accumulated pump run hours
- Number of power resets
- Number of overloads
- Number of high levels
- Number of low levels
- Number of pressure inhibits
- Number of maximum run timeouts
- Serial number
- Software version

