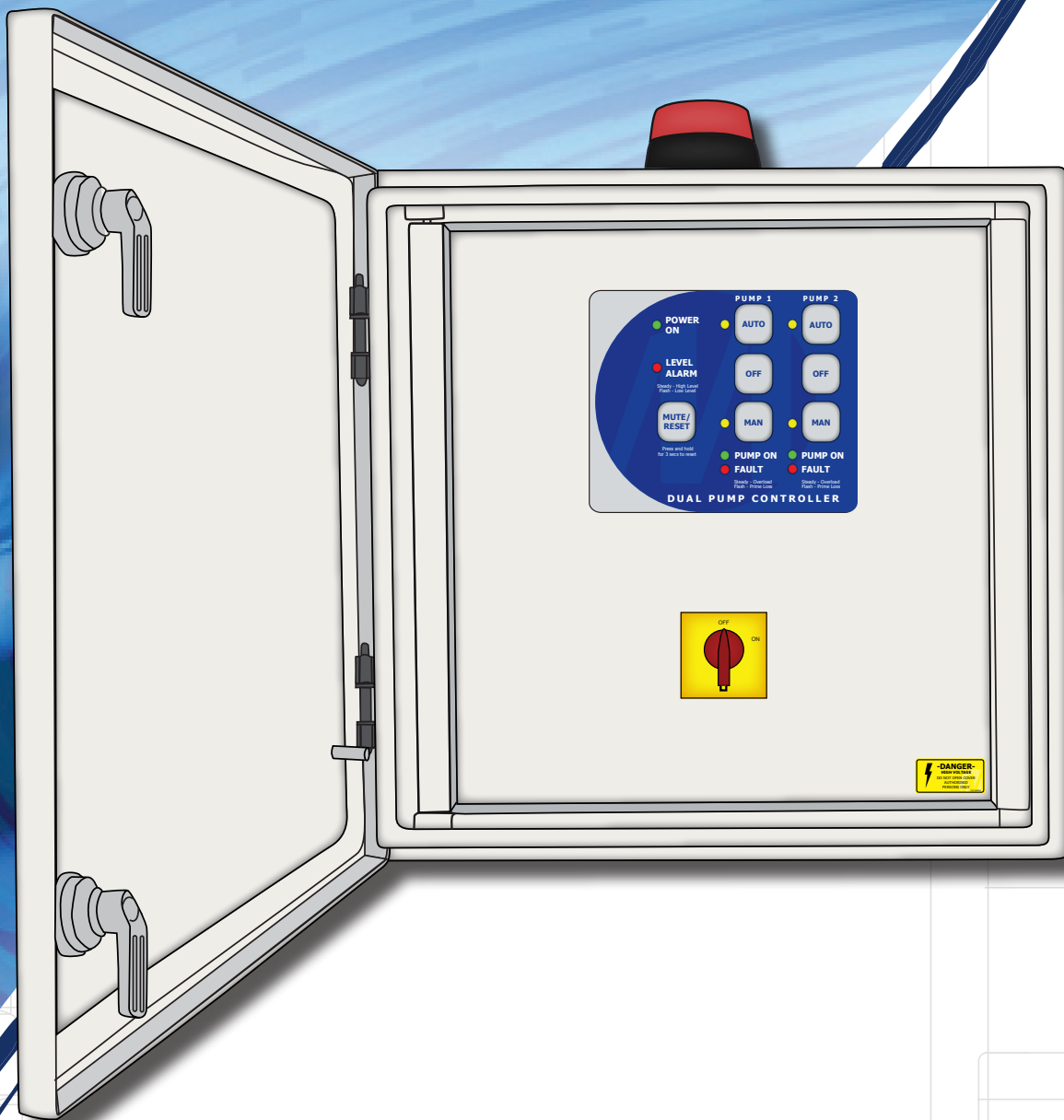


PUMP CONTROL Product Overview



Three Phase Dual Pump Controller c/w BMS

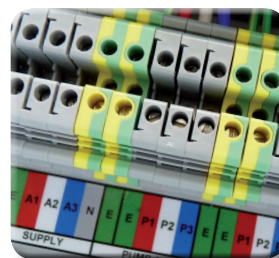
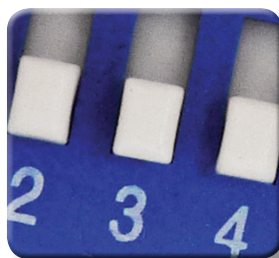
FPC-30240

FPC-30240

Building on the success of the FPC-300 Series Dual Pump Controller, the new FPC-300-Advanced version, further enhances the *"One controller does it all"* concept, while at the same time, makes *"simplicity of operation"* even more user friendly. Although many unique features of the controller are common to all pumping applications, many *"system specific"* optional features, can be enabled or disabled at the flick of a switch.

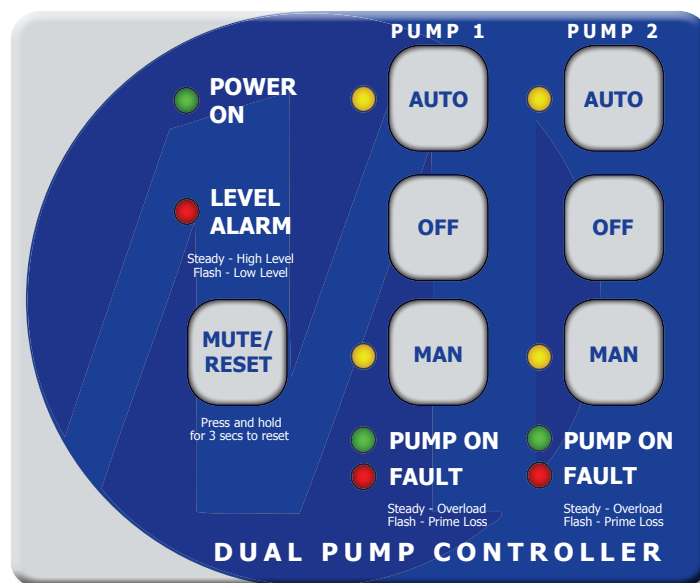
Hardware Features

- IP 65 Weather Proof, Powder Coated Metal Enclosure c/w removable gland plate
- Lockable Main Isolator
- Individual Pump Isolation
- Circuit Breaker protected Control Circuit
- Low Voltage Control and input Circuitry
- Advanced Micro Processor Control Module
- Distinctive, Highly durable and aesthetically attractive Electronic Keypad
- Auto/Off/Manual Operation of Both Pumps
- Thermal Overload Protection of Pump Motors
- LED Indicator Lights for System Status indication
- Visual and Audible Alarms c/w Mute Switch
- User friendly, clearly labelled, Din Rail mounted, Input and Output Terminal Connection
- Individually Serial Numbered and logged for traceability and product support
- Owner/Operator, Installation and Operation Manual supplied with each controller

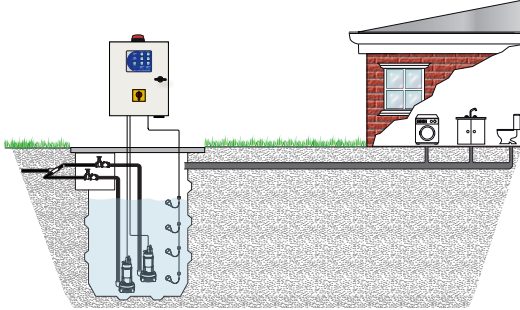


Function Features

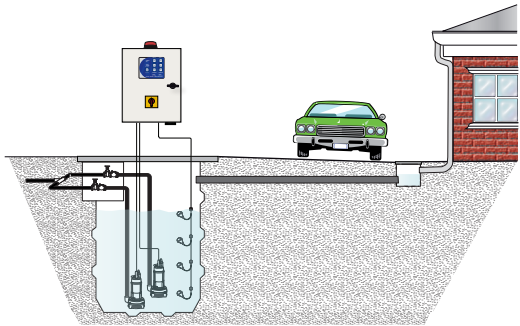
- Auto Alternation of Pump Duty
- Provision for 4 digital + 1 Analogue inputs (typically Low Level, Stop/Start, Standby In and High Level)
- Lamp, Strobe and Buzzer Test feature
- Level Alarm Delay feature avoiding nuisance tripping
- Maximum Run Time and Auto Alternation Feature
- Anti Seize/Freeze feature, for Low Use and Seasonal Pumping applications
- Maximum Idle Time Feature, for "pump out" of residual in Pump Well situations
- Smart "Auto Silencing" and "Chirp Mode" audible Alarm
- Delayed Start and Minimum Run Time Feature
- Delayed Standby Pump Start, avoids two motors starting simultaneously
- Optional "Time Out" on Manual Pump Mode automatic reset to Auto
- No Flow/Pressure - Inbuilt Timer feature
- Interconnectable with Remote Status Indicator panel, via simple data connection
- Interconnectable with Building Monitoring System Module, via simple data connection



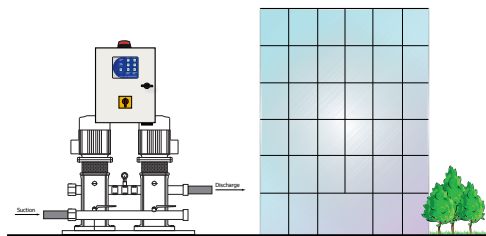
Typical Applications



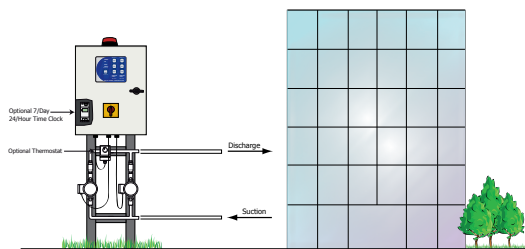
***SUBMERSIBLE
SEWAGE***



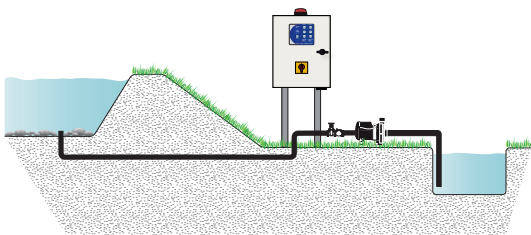
***SUBMERSIBLE
STORMWATER***



***CONSTANT
PRESSURE***



***HOT WATER
CIRCULATION***

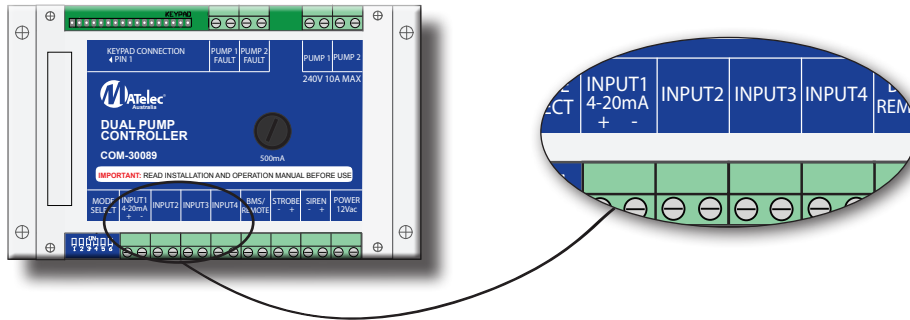


***TRANSFER
PUMPING***



One Controller.....All Applications

Multiple Input Options

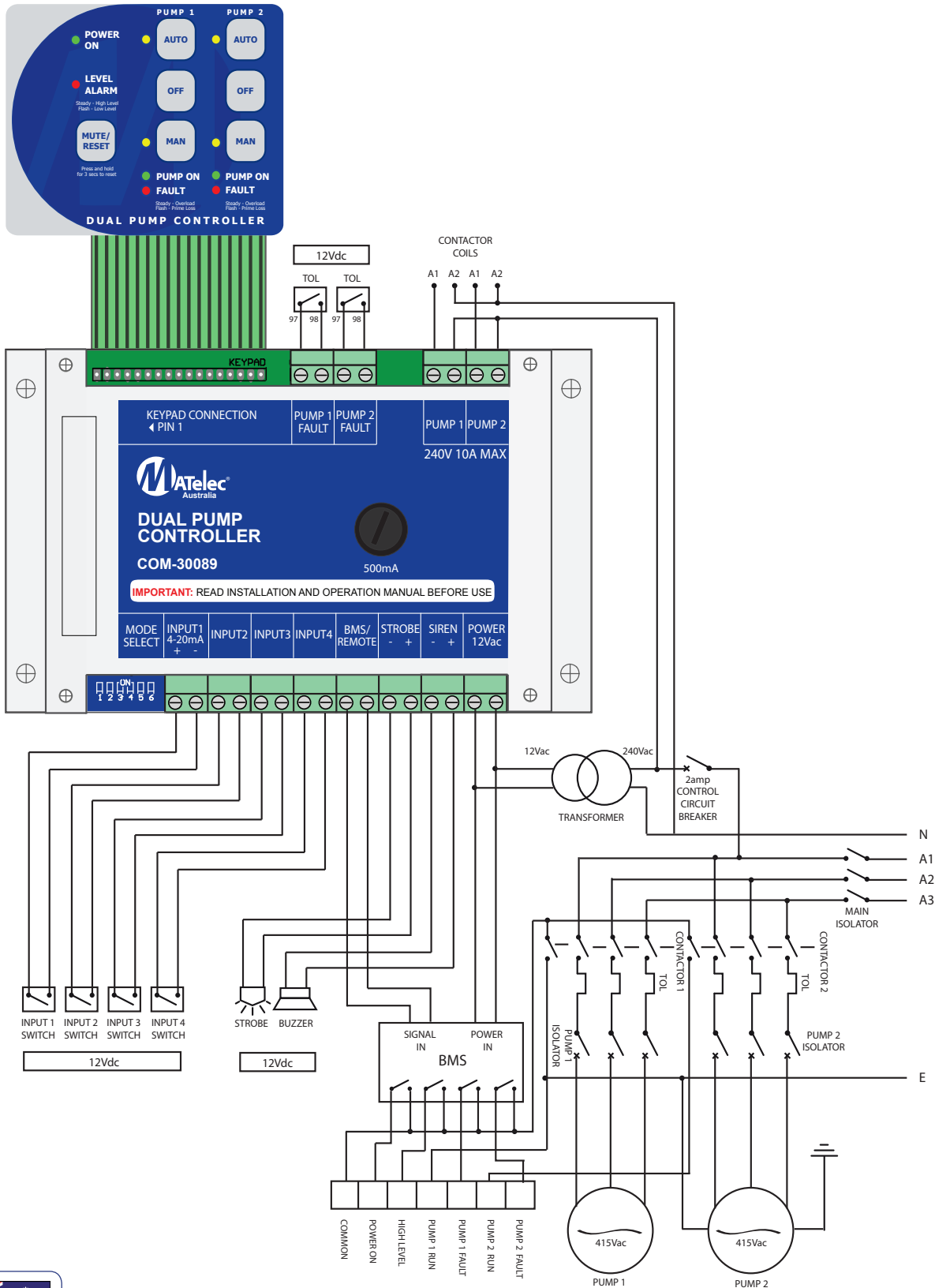


APPLICATION	Input 1	Input 2	Input 3	Input 4	MODE
SUBMERSIBLE - SEWAGE PUMPING SYSTEM					
Automatic Pumps	-	-	Bridge	-	A
Automatic Pumps + High Level Float	-	-	Bridge	High Level	A
2 Floats	-	-	Start/Stop	High Level	A
3 Floats	-	Stop	Start	High Level	A
3 Floats c/w Standby In	Standby Start	-	Start/Stop	High Level	A
4 Floats c/w Standby In	Standby Start	Stop	Duty Start	High Level	A
4 Floats c/w Low Level Alarm	Low Level	Stop	Start	High Level	B
Transducer (4-20mA) + Optional High Level Float	Transducer	-	-	High Level	A
SUBMERSIBLE - STORMWATER PUMPING SYSTEM					
Automatic Pumps	-	-	Bridge	-	A
Automatic Pumps + High Level Float	-	-	Bridge	High Level	A
2 Floats	-	-	Start/Stop	High Level	A
3 Floats	-	Stop	Start	High Level	A
3 Floats c/w Standby In	Standby Start	-	Start/Stop	High Level	A
4 Floats c/w Standby In	Standby Start	Stop	Duty Start	High Level	A
4 Floats c/w Low Level Alarm	Low Level	Stop	Start	High Level	B
Transducer (4-20mA) + Optional High Level Float	Transducer	-	-	High Level	A
HOT WATER RECIRCULATION SYSTEM					
No Thermostat	-	-	Bridge	-	A
With Thermostat	-	-	Thermostat	-	A
CONSTANT PRESSURE PUMPING SYSTEM					
Automatic (Press Control)	-	-	Bridge	-	A
Automatic (Press Control) + Standby In Switch	-	-	Bridge	Standby In	A
1 Pressure Switch	-	-	Start/Stop	-	A
1 Pressure Switch + Prime Loss	Prime Loss Sw	-	Start/Stop	-	C
2 Pressure Switches	-	Lead	Lag	-	D
2 Pressure Switch + Pressure Loss Sw.	-	Lead	Lag	Pressure Loss PS	D
2 Pressure Switch + Prime Loss Press/Flow Sw	Prime Loss Sw	-	Start/Stop	Low Press Sw	C
TRANSFER PUMPING SYSTEM					
1 Pressure or Float Switch	-	-	Work Level	-	A
As above + Prime Loss	Prime Loss Sw	-	Work Level	-	C
1 Pressure Start/Stop & Low Level Cut Out Float	-	-	Series Conn.	-	A
As above + Prime Loss	Prime Loss Sw	-	Series Conn.	-	C

One Controller.....All Applications



Wiring Diagram



One Controller.....All Applications



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