



Sequencer



Robust pump control relay suitable for dual pump operation.

Features:

- Operated via pressure switches or float switches
- Alternating start-up
- Fault level input

TRANSDUCERS

PRE series pressure transducer



Stainless steel pressure transducer supplied with 2 metre cable.

Features:

- 2 wire, 4-20mA output
- 10 or 20 Bar operating range

PRS series level transducer



Stainless steel level transducer supplied with 20 metre cable.

Features:

- 0-5 metre range standard. Up to 100 metres available on request
- Submersible up to maximum 2 Bar
- 2 wire, 4-20mA output
- 0.5, 1 and 2 Bar options



MAC 3 PRODUCTS

Proudly distributed by CAP Industries



MAC3 Water Systems is a name synonymous with the manufacture and supply of quality products. Founded in Italy in 1982, the company is today recognized as the industry leader in pump level float switches and pump control relays. MAC3 products are distributed globally and are today incorporated into products developed by many of the world's leading pump manufactures.



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LEVEL CONTROL

Float switches



Reliable, cost-effective level control for empty or fill applications. MAC3 float switches are used by the world's leading pump manufacturers. Easy to use and install, they are suitable for clean or dirty water.

Key benefits:

- Rounded shape (suitable for sewage water)
- Double liquid-proof chamber to protect the integrity of internal mechanism
- Submersible up to 10m maximum
- PVC cable for general applications (10, 25, 50 and 100 metre lengths in stock)
- Neoprene cable available for sewage applications
- Plug and play connection available

Approval certificates	ENEC/CE
Power rating	10(8)A 250V
IP rating	IP68
Switch angle	± 45
Size & weight	106x154x54mm, 234 g
Housing material	Non-toxic polypropylene (PP)
Function	Empty or fill (3 wire control)

Also available:



Counterweight to fix depth of float switch where necessary.

Material	Shock resistant polystyrene
Weight	300 grams
Colour	Yellow
Filling materials	Sand and iron shot

QuickStop Advance



The QuickStop Advance is a hydraulic level regulator featuring a unique design which closes the inbuilt valve in a fraction of a second.

Key benefits:

- Eliminates variable demand as valve is either fully open or fully closed (no leaking)
- Rapid switching between open and closed

Material	Non-toxic polycarbonate with stainless steel fasteners
Operating temperature	0 - 50°C
Working pressure	0.2 - 6 Bar
Maximum pressure	10Bar
Equipped with inlet filter	

Electrosonda QSR



Reliable level control relay suitable for a variety of liquid qualities.

Functions:

- Independent settings for start/stop and reference allow the system to be adapted to any pump control or alarm/fault function
- Variable sensitivity to cater for a range of water qualities up to 100Kohms
- Indicator lights show power supplied and relay operation

Electrosonda EV



Reliable level control as per Electrosonda QSR with the addition of:

- Adjustable time delay (0 to 16 seconds), increasing flexibility of the system control function

Electrosonda DB



Compact level control relay suitable for multiple water supplies and/or level alarms.

Functions:

- Differential level probes (operates between two probes) to control a pump or valve
- ON-OFF level probe (operating on a single point) for second tank or second pump control
- High and low level alarms with common alarm relay
- Internal buzzer - for high and low level alarms
- Control for external alarm (buzzer or light)
- DIP switch for configurable functionality
- LED's for relay operation, power on and alarm status

Sonda Level Probe



Stainless steel probe with plastic casing for simple and accurate level sensing.

PUMP CONTROL

Hydro Controller

Efficient and easy to use, the Hydro Controller delivers constant pressure with variable speed control. Featuring a user-friendly interface with LCD display which displays functional and alarm parameters in real English. Caters for single and multiple pump systems.

Key benefits:

- Easy to install and operate
- User-friendly interface with LCD display
- Customisable control parameters to suit pump
- Automatic restart/reset in the case of fault
- Available for single phase (MT version) and three phase (TT version) power supply

Hydro controller MT



Suitable for installations with single phase power supply. For control of three phase pumps up to 1.5kW.

Input power	1x240V, 50/60Hz
Max power	1.5kW, 2.2kW 3x240V, 50/60Hz

Hydro Controller TT



Suitable for installations with three phase power supply. For control of three phase pumps up to 5.5kW.

Input power	3x415V, 50/60Hz
Max power	2.2kW, 4.0kW, 5.5kW 3x415V, 50/60Hz

Hydro Controller technical data

Max current	Continuous 8A - 12A for 1'
Acceleration/deceleration time	0.5 - 10 seconds (adjustable)
Electrical safety Electromagnetic compatibility	EN60730 EN61000-6-3, EN61000-6-4
Display	LCD 2 line x 16 character
Assembly position	HCW - on pump installation HCA - external installation
Set pressure	1.5 - 7.5 Bar ± 0.2 Bar
Max over pressure for HCW models	10 Bar
Operating temperature	0 - 40°C
IP rating	HCW - IP65, HCA IP21
Input/output	1 1/4" female
Size & weight	HCW 360x246x170mm, 2.5kgs HCA 350x260x170mm, 5.6 kgs

Note: It is strongly recommended that a pressure tank be installed to protect from water hammer and to reduce pump cycling in leaking systems and /or systems with continuous low demand.

SuperSimplex E



The SuperSimplex E controller monitors pressure, flow and temperature of water. Cost effective and easy to use, it features pump protection with automatic reset.

Key benefits:

- Anti-cycling pressure/flow control
- Pump protection
 - Dry running/low pressure
 - Excessive water temperature (55°C)
- Automatic restart delay
- Adjustable cut-in pressure
- Quiet operation
- Inbuilt pressure gauge
- Inbuilt check valve

Mounting	Horizontal or vertical, 25mm inlet/outlet
Power supply	1x240V, 50Hz
Max pump power	1.1kW
Min pump pressure	1.5 Bar
Operating temperature	0 - 50°C
Operating pressure	1.5 - 8.0 Bar
Adjustable cut-in pressure	0.4 - 2.2 Bar
Max flow	100 l/min
Size and Weight	250x145x155mm, 900g