

# Control Devices for Pump & Irrigation

Flow Switches



Page 6.2

Pressure Switches



Page 6.2

Float Switches



Page 6.3

Aquamant Filter Flushing Timer



Page 6.4

Surge Arrestors



Page 6.4

Avanti Pump Protection Relay



Page 6.4

Avanti Distance Control Unit



Page 6.4

Avanti Liquid Level Relay



Page 6.4

Electrode



Page 6.4

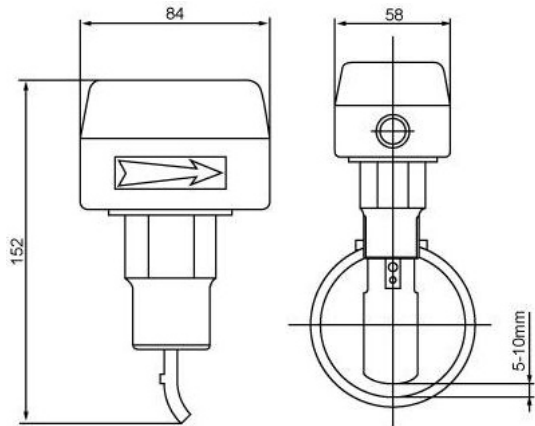
# CONTROL DEVICES for PUMP & IRRIGATION

## FLOW SWITCHES

PARTNO	DESCRIPTION
<b>HFS-25</b>	Flow Switch with change over contacts. 10 bar maximum pressure. 1" BSP connection 6" paddle
<b>KIT21A602</b>	6" paddle kit for HFS-25 flow switch



HFS-25



BRIO2000-M

<b>BRIO2000-M</b>	Flow control switch - Performs the operations normally carried out by pressure tank, pressure switch & non-return valve 1 -10 bar pressure 1" BSP male connection IP 65 protection 110/230 VAC Max. temp: 55°C	Max. Current: 12 amp Max. flow: 80 l/min
-------------------	--	---

## PRESSURE SWITCHES

PARTNO	DESCRIPTION
<b>P77AAA-9300</b>	PENN Switch with change over contacts. 0.5 - 7 bar pressure. Differential 0.5 - 3 bar Max bellow pressure 22 bar 1/4" BSP brass adaptor
<b>P77AAA-9301</b>	PENN Switch with change over contacts. 1 - 10 bar pressure. Differential 1 - 3 bar Max bellow pressure 15 bar 1/4" BSP brass adaptor
<b>P77AAA-9350</b>	PENN Switch with change over contacts. 3 - 30 bar pressure. Differential 3 - 12 bar Max bellow pressure 33 bar 1/4" BSP brass adaptor
<b>ADP</b>	Spare 1/4" BSP brass adaptor for PENN Pressure Switches



PENN - P77AAA-9301

All Prices Exclude VAT and are subject to change without prior notice.

# CONTROL DEVICES for PUMP & IRRIGATION

## FLOAT SWITCHES

PARTNO DESCRIPTION

### MAGNETIC SWITCH

For regulation of turbulent or suspended agglomerative residues in service & sewer waters.

Colour - Orange

**5M-MK2** 5m cable

**10M-MK2** 10m cable

(15m, 20m & 25m cable lengths available on request)

Rated Voltage	220v AC/DC
Load	1A

**NB.** In accordance with SAFETY REGULATIONS, the float switches MUST be connected to a low-voltage control circuit through an isolating transformer, and used in conjunction with suitably rated relays.



MAGNETIC SWITCH

### ROLLER BALL SWITCH

For use in clean liquids for regulation of high & low levels in tanks and cisterns. (limited differential)

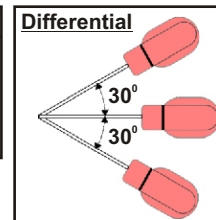
Colour - Red

**10 Amp Switch**

**MICROSTART/C5-10** 5m cable

**MICROSTART/C10-10** 10m cable

	<b>(10A)</b>
Rated Voltage	250v AC
Resistive load	10A
Inductive load	4A
Max working pressure	10 bar



ROLLER BALL SWITCH



COUNTER WEIGHT

### ACCESSORIES

**MATICCW**

Spare counter weight for float switch

Click here for the **PRICELIST**

## CONTROL DEVICES for PUMP & IRRIGATION

### AQUAMAN FILTER FLUSHING TIMERS

Run-time: 0.3 - 6 hours  
Flushing Time: 0.3 - 6 minutes

PARTNO	DESCRIPTION	VOLTAGE
<b>AQUA2S</b>	Master + 2 step	24 VAC
<b>AQUA3S</b>	Master + 3 step	24 VAC
<b>AQUA4S</b>	Master + 4 step	24 VAC
<b>AQUA5S</b>	Master + 5 step	24 VAC
<b>AQUA6S</b>	Master + 6 step	24 VAC
<b>AQUA7S</b>	Master + 7 step	24 VAC
<b>AQUA8S</b>	Master + 8 step	24 VAC
<b>FTSS24AD</b>	Master + 1 step with plug-in base	24 VAC

Larger units available on request

### SPARE MODULES

<b>FTM24AD</b>	Master	24 VAC
<b>FTS24AD</b>	Slave	24 VAC

### SURGE ARRESTORS

PARTNO	DESCRIPTION	VOLTAGE
<b>AVSURGE</b>	AVANTI Surge Arrestor - 8KA	280 VAC
<b>AVSURGE/DIN</b>	AVANTI Surge Arrestor - 40KA DIN mount	280 VAC
<b>AVSURGE/DIN8</b>	AVANTI Surge Arrestor - 8KA DIN mount	280 VAC

### AVANTI ELECTRONIC MODULES

(Refer Section 11 for more details)

PARTNO	DESCRIPTION	VOLTAGE
<b><u>PUMP PROTECTION RELAYS (PPR) with Underload Restart Function</u></b>		
For new installations, a CT and 11 pin base must be purchased with PPR		
<b>PPR-1T8-23</b>	Single phase PPR	230 VAC
<b>PPR-3T8-40</b>	Three phase PPR	400 VAC

### DISTANCE CONTROL UNIT

<b>DCU/123STR</b>	Distance Control Unit - single pump	230 VAC
<b>DCU/140STR</b>	Distance Control Unit - single pump	400 VAC
<b>DCU/223STR</b>	Distance Control Unit - double pump	230 VAC
<b>DCU/240STR</b>	Distance Control Unit - double pump	400 VAC

### LIQUID LEVEL CONTROL

Filling & Emptying Selectable

<b>LLC23</b>	LLC Switch - single pump	230 VAC
<b>LLC40</b>	LLC Switch - single pump	400 VAC
<b>LLC323</b>	LLC Switch - double pump with duty cycle	230VAC
<b>LLC340</b>	LLC Switch - double pump with duty cycle	400VAC

### ELECTRODE (for use with LLC)

<b>AEL</b>	Stainless Steel Electrode
------------	---------------------------

### ACCESSORIES

<b>ES11</b>	11pin base - surface / DIN mount
-------------	----------------------------------

Refer to page: 12.18 for Wiring Diagram of PPR.

All Prices Exclude VAT and are subject to change without prior notice.

