

# AV SENSOR (or TOUCHPAD SWITCH) CONTROLS for our HIGH SECURITY LOW PROFILE BASINS

Simply put your hand within 50mm of the sensor to turn water on. Turns water off automatically after use

**Anti-Ligature & Vandal Resistant:** Ideal for custodial/mental health/public & commercial applications.

**Stylish & Discreet:** Designers can choose their own tap spout or one of ours. Sensor is fitted remotely.

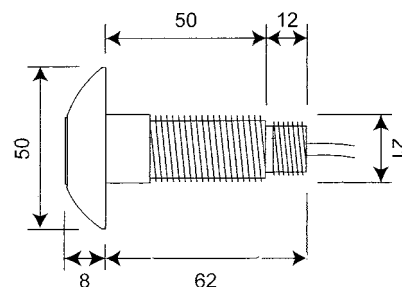
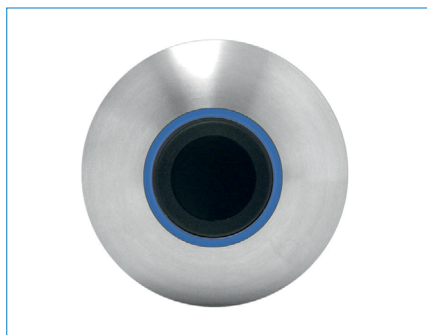
**Optional Purge Facility:** Available on mains-powered kits, "Purge Facility" allows you to set the tap to come on automatically if it has not been normally operated for more than a 24 hour period (to help prevent dead legs).

**Optional Lock-Out Facility:** Available on mains-powered kits, "Lock-Out Facility" ensures the tap will stop working if it has been operated more than 4 times in 15 minutes (will automatically re-set itself after 15 minutes).

*You can also set the system so you can activate the sensor once to turn the water on and then activate the sensor again to override the pre-set time and turn the water off immediately. It is possible to use 1 No. sensor to control 2 No. solenoid valves using a single control box.*

## Brushed Stainless Steel AV 2 Tap Sensor Kits (for HSWHB-LP-2TH & HSWHB-LP-NTH)

For high security low profile basins that require separate hot and cold sensor operated supplies per basin use our 2 Tap AV Sensor kits. To operate put your hand within 2" of the sensor.



### Mains Powered Order Code:

#### TPTS-M/HP/2 Tap AV Sensor Kit

- 1 no. Control Box
- 2 no. 15mm Plastic 12V solenoid valves
- 1 no. Red Stainless Steel Sensor (to denote HOT water)
- 1 no. Blue Stainless Steel Sensor (to denote COLD water)

### Battery Powered Order Code:

#### TPTS-B/HP/2 Tap AV Sensor Kit

- 1 no. Control Box
- 2 no. 15mm G202 6V solenoid valve
- 1 no. Red Stainless Steel Sensor (to denote HOT water)
- 1 no. Blue Stainless Steel Sensor (to denote COLD water)

## Brushed Stainless Steel AV 1 Tap Sensor Kits (for HSWHB-LP-LTH, HSWHB-LP-RTH & HSWHB-LP-NTH)

For high security low profile basins that require sensor operated mixed hot water only per basin use our 1 Tap AV Sensor kits. To operate put your hand within 2" of the sensor.

### Mains Powered Order Code:

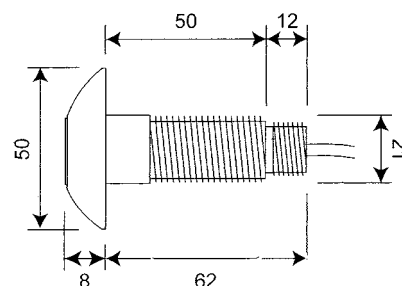
#### TPTS-M/HP/1 Tap AV Sensor Kit

- 1 no. Control Box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Red Stainless Steel Sensor (to denote HOT water)

### Battery Powered Order Code:

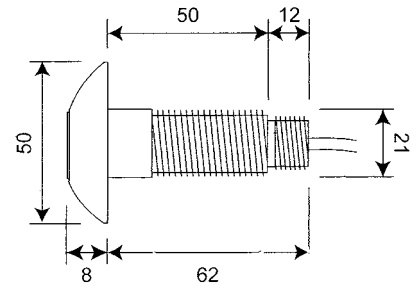
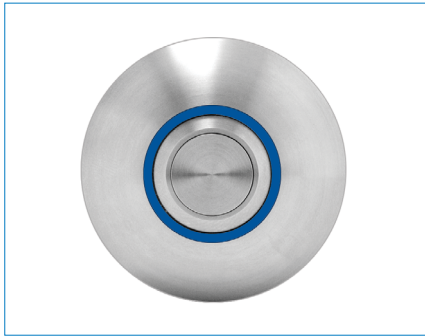
#### TPTS-B/HP/1 Tap AV Sensor Kit

- 1 no. Control Box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Red Stainless Steel Sensor (to denote HOT water)



## Brushed Stainless Steel 2 Tap Touchpad Kits (for HSWHB-LP-2TH & HSWHB-LP-NTH)

For high security low profile basins that require separate hot and cold touchpad operated supplies per basin use our 2 Tap Touchpad kits. Lightly press the touchpad switch to turn water on.



### Mains Powered Order Codes:

#### TPTS-M/HP/2 Tap Touchpad kit

- 1 no. Mains-powered tap control box
- 2 no. 15mm Plastic 12V solenoid valves
- 2 no. Touchpad switches: 1 red, 1 blue

### Battery Powered Order Codes:

#### TPTS-B/HP/2 Tap Touchpad kit

- 1 no. Battery-powered tap control box
- 2 no. 15mm G202 6V solenoid valve
- 2 no. Touchpad switches: 1 red, 1 blue

## Brushed Stainless Steel 1 Tap Touchpad Kits (for HSWHB-LP-LTH, HSWHB-LP-RTH & HSWHB-LP-NTH)

For high security low profile basins that require touchpad operated mixed hot water only per basin use our 1 Tap Touchpad kits. Lightly press the touchpad switch to turn water on.

### Mains Powered Order Codes:

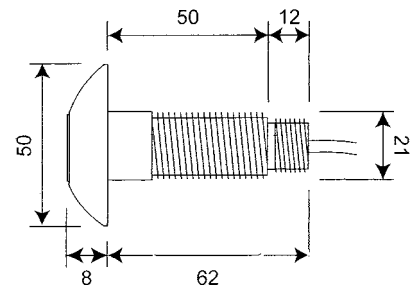
#### TPTS-M/HP/1 Tap Touchpad kit

- 1 no. Mains-powered tap control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Touchpad switch (RED)

### Battery Powered Order Codes:

#### TPTS-B/HP/1 Tap Touchpad kit

- 1 no. Battery-powered tap control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Touchpad switch (RED)

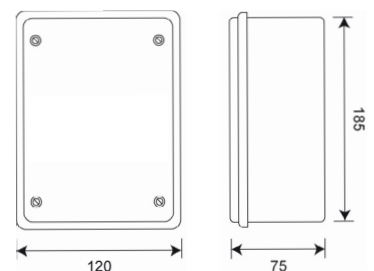
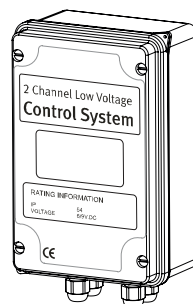
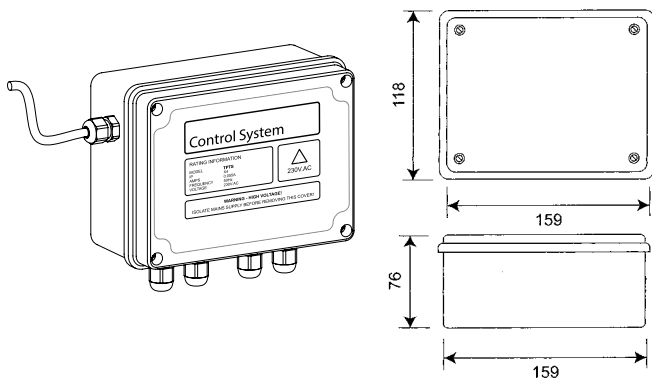


## Control Box

Standard tap control box with adjustable valve open time from 6 seconds to 20 seconds. *Call to discuss* for options if you require a longer valve open time.

**Mains powered:** You need to provide a 3 amp fused spur.

**Battery powered**





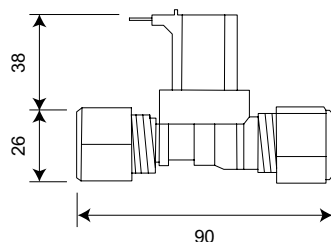
## WRAS approved Solenoid Valves

Please specify correct solenoid valves for your site conditions: for low pressure solenoid valves replace "HP" with "LP" in order codes. Very low pressure solenoid valves are only available for battery powered kits. Replace "HP" with "VLP" in order codes.

### For mains powered kits Standard high pressure (HP) 0.5 Bar – 6 Bar

12v nylon pre-wired 15mm solenoid valve for mains powered kits.

Working Temperature Range 0°C to 60°C  
Electrical connection: Spade connectors /  
2-core Ø0.5mm copper cable



**ORDER CODE**  
15mm 12v Plastic HP Valve

#### TECHNICAL DATA

Gross weight ..... 0.215 kg  
Material ..... Nylon  
Seal Material ..... NBR (Nitrile)  
Voltage ..... 12vDC  
Power ..... 3W  
Connection ..... 15mm compression  
Pressure rating ..... 0.5 Bar – 6 Bar  
Operation type ..... Normally closed  
Cable length ..... 3m

### For mains powered kits Optional low pressure (LP) 0 Bar – 0.5 Bar maximum

12v (7.1mm orifice) solenoid valve for  
mains powered kits.

You will need to provide length of 2 core  
cable from valve to control box.

**ORDER CODE**  
15mm 12v (7.1mm) Valve

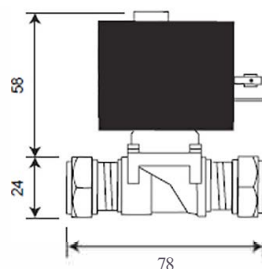
#### TECHNICAL DATA

Material ..... ABS/Brass  
O-ring/washers ..... Nitrile  
Pressure rating ..... 0 Bar – 0.5 Bar max.  
Orifice ..... 7.1mm  
Connection ..... 15mm compression  
Voltage ..... 12vDC  
Operation type ..... Normally closed

### For battery powered kits Standard high pressure (HP) 0.75 Bar – 10 Bar

6v non-wired G202 solenoid valve for  
battery powered kits.

You will need to provide length of 2 core  
cable from valve to control box.



**ORDER CODE**  
15mm 6v G202 Valve

#### TECHNICAL DATA

Material ..... ABS/Brass  
O-ring/washers ..... Nitrile  
Pressure rating ..... 0.75 Bar – 10 Bar  
Orifice ..... 12.7mm  
Connection ..... 15mm compression  
Voltage ..... 6vDC  
Operation type ..... Latching

### For battery powered kits Optional low pressure (LP) 0 Bar – 1.5 Bar maximum

6v (4mm orifice) solenoid valve for  
battery powered kits.

You will need to provide length of 2 core  
cable from valve to control box.

**ORDER CODE**  
15mm 6v (4mm) Valve

#### TECHNICAL DATA

Material ..... ABS/Brass  
O-ring/washers ..... Nitrile  
Pressure rating ..... 0 Bar – 1.5 Bar max.  
Orifice ..... 4mm  
Connection ..... 15mm compression  
Voltage ..... 6vDC  
Operation type ..... Latching

### For battery powered kits Optional very low pressure (VLP) 0 Bar – 0.5 Bar maximum

6v (6.7mm orifice) solenoid valve for  
battery powered kits.

You will need to provide length of 2 core  
cable from valve to control box.

**ORDER CODE**  
15mm 6v (6.7mm) Valve

#### TECHNICAL DATA

Material ..... ABS/Brass  
O-ring/washers ..... Nitrile  
Pressure rating ..... 0 Bar – 0.5 Bar max.  
Orifice ..... 6.7mm  
Connection ..... 15mm compression  
Voltage ..... 6vDC  
Operation type ..... Latching



## ROBERT PEARSON & COMPANY LTD

Post Office House, Post Office Lane  
Stockton, Warminster  
Wiltshire BA12 0SE

Telephone: (01985) 850954  
Facsimile: (01985) 850112  
E-Mail: [sales@robertpearson.co.uk](mailto:sales@robertpearson.co.uk)  
Website: [www.robertpearson.co.uk](http://www.robertpearson.co.uk)