

# SHOWER AND BATH SENSOR CONTROLS

## "No touch" hygienic sensor operation

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

You can choose your own shower or bath spout or one of ours. Sensor is fitted remotely.

## Waterproof TPTS Model Brushed Stainless Steel Bath and Shower Sensor Kits

### Waterproof brushed stainless steel bath/shower sensor c/w 8 metre cable



#### Mains-powered

*water pressure 0.5 Bar – 6 Bar*

Shower Order Codes:

##### TPTS-M/HP/1 Shower Sensor kit

- 1 no. Mains-powered shower control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Waterproof sensor c/w 45mm steel bezel

##### TPTS-M/HP/2 Shower Sensor kit

- 1 no. Mains-powered shower control box
- 2 no. 15mm Plastic 12V solenoid valve
- 2 no. Waterproof sensor c/w 45mm steel bezel

#### Mains-powered

*water pressure 0.5 Bar – 6 Bar*

Bath Order Code:

##### TPTS-M/HP/1 Bath Sensor kit

- 1 no. Mains-powered bath control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Waterproof sensor c/w 45mm steel bezel

#### Battery-powered

*water pressure 0.75 Bar – 10 Bar*

Shower Order Codes:

##### TPTS-B/HP/1 Shower Sensor kit

- 1 no. Battery-powered shower control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Waterproof sensor c/w 45mm steel bezel

##### TPTS-B/HP/2 Shower Sensor kit

- 1 no. Battery-powered shower control box
- 2 no. 15mm G202 6V solenoid valve
- 2 no. Waterproof sensor c/w 45mm steel bezel

#### Battery-powered

*water pressure 0.75 Bar – 10 Bar*

Bath Order Code:

##### TPTS-B/HP/1 Bath Sensor kit

- 1 no. Battery-powered bath control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Waterproof sensor c/w 45mm steel bezel



## Brushed Stainless Steel AV Bath Sensor Kits



For applications that require separate hot and cold supplies per bath please use our colour coded anti-vandal Sensors. Steel thread sensor—ideal for custodial and mental health applications.

#### Mains-powered

*water pressure 0.5 Bar – 6 Bar*

Order Codes:

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

- 1 no. Mains-powered bath control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Steel AV Sensor (specify colour)

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

- 1 no. Mains-powered tap control box
- 2 no. 15mm Plastic 12V solenoid valve
- 1 no. Stainless Steel AV Sensor (c/w red indicator) to denote hot water
- 1 no. Stainless Steel AV Sensor (c/w blue indicator) to denote cold water

#### Battery-powered

*water pressure 0.75 Bar – 10 Bar*

Order Codes:

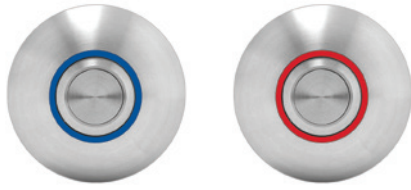
##### TPTS-B/HP/1 Bath AV Sensor Kit

- 1 no. Battery-powered tap control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Steel AV Sensor (specify colour)

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

- 1 no. Battery-powered tap control box
- 2 no. 15mm G202 6V solenoid valve
- 1 no. Stainless Steel AV Sensor (c/w red indicator) to denote hot water
- 1 no. Stainless Steel AV Sensor (c/w blue indicator) to denote cold water

You can use our TPTS model AV bath sensor kits to control your own spouts or choose our spouts (pictured above with our ALN-DM ligature resistant deck-mounted brushed steel bath spouts from our vandal resistant and/or anti-ligature spouts and showerheads).



Blue for cold water

Red for hot water

### Mains Powered (0.5 Bar - 6 Bar)

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

1 no. Mains-powered bath control box  
1 no. 15mm Plastic 12V solenoid valve  
1 no. Touchpad switch (specify colour)

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

1 no. Mains-powered bath control box  
2 no. 15mm Plastic 12V solenoid valve  
2 no. Touchpad switch: 1 red, 1 blue

### Battery Powered (0.75 Bar - 10 Bar)

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

1 no. Battery-powered bath control box  
1 no. 15mm G202 6V solenoid valve  
1 no. Touchpad switch (specify colour)

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

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

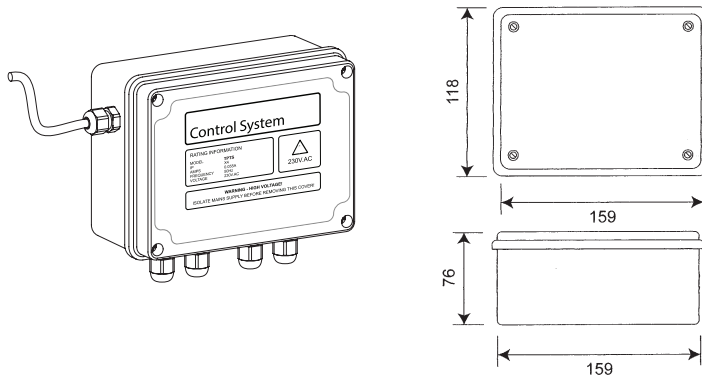
## SHOWER & BATH SENSOR CONTROLS—TECHNICAL

### Control Box

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.

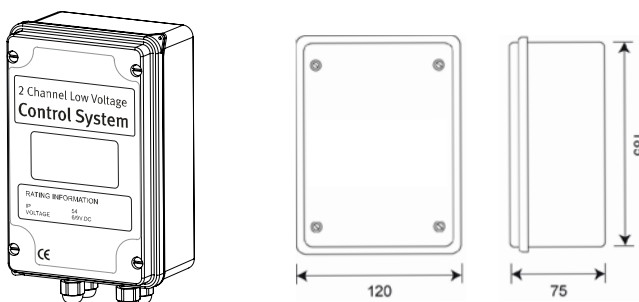
**Mains Shower Control Box:** with adjustable valve open time from 30 seconds to 3 minutes. **You need to provide a 3 amp fused spur.** **Optional Purge Facility** available on mains shower kits. "Purge Facility" allows you to set the valve to open automatically if it has not been normally operated for more than a 24 hour period (to help prevent dead legs). **Optional Lock-Out Facility** available on mains shower kits. "Lock-Out Facility" ensures it will stop working if it has been operated more than 4 times in 15 minutes (will automatically re-set itself after 15 minutes).

**Mains Bath Control Box:** with adjustable valve open time from 1 minute to 10 minutes. **You need to provide a 3 amp fused spur.**



**Battery Shower Control Box:** with adjustable valve open time from 30 seconds to 3 minutes. **Optional Purge Facility** available on battery shower kits.

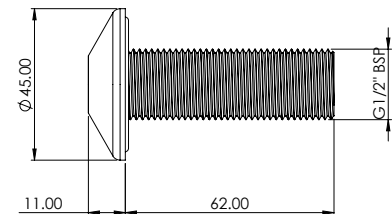
**Battery Bath Control Box:** with adjustable valve open time from 1 minute to 10 minutes.



### Sensor / Touchpad

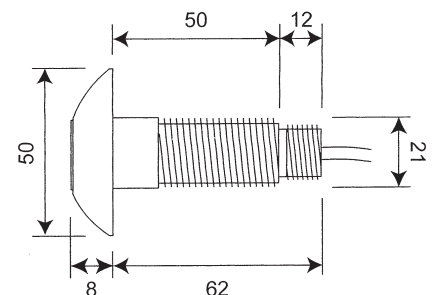
Anti-Ligature & Vandal Resistant:  
Ideal for custodial/mental health/  
public & commercial applications.

#### Waterproof 45mm Sensor



Bezel diameter ..... Ø 45mm  
Overall length ..... 73mm  
Thread ..... ½" BSP  
Thread length ..... 62mm  
Thread material ..... Brass  
Pre-wired ..... YES  
Cable length ..... 8m standard  
Finish ..... Brushed steel

#### AV Sensor / Touchpad Switch



Bezel diameter ..... Ø 50mm  
Overall length ..... 70mm  
Thread length ..... 50mm  
Thread material ..... Stainless Steel  
Pre-wired ..... YES  
Cable length ..... 3m standard  
Finish ..... Brushed Steel  
Insert colour ..... Plain  
Red (denotes hot)  
Blue (denotes cold)

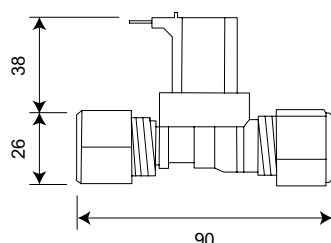
## WRAS approved Solenoid Valves for Shower Controls

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. Be aware that the narrower the orifice of the valve the lower the volume of water at the showerhead. You may want to consider using one of our 3/4" BSP 19mm orifice valves (see *Solenoid Valves for Bath Controls*).

### 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

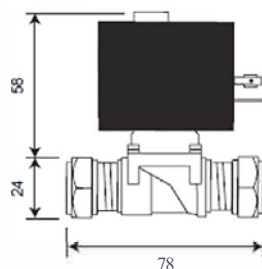
#### TECHNICAL DATA

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



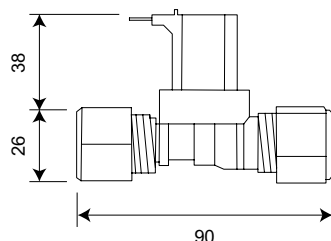
## WRAS approved Solenoid Valves for Bath Controls

Please specify correct solenoid valves for your pipe diameter: For Ø22mm copper pipe, replace HP with HP¾" or LP with LP¾" in bath 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 high pressure (HP¾") 0.5 Bar – 8 Bar

12v (19mm orifice) solenoid valve for mains powered kits.

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

#### ORDER CODE

¾" 12v Valve (TPTS-M)

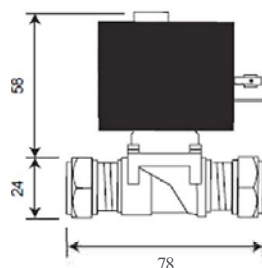
#### TECHNICAL DATA

Material ..... ABS/Brass  
O-ring/washers ..... Nitrile  
Pressure rating ..... 0.5 Bar – 8 Bar max.  
Orifice ..... 19mm  
Connection ..... ¾" BSP  
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 (LP¾") 0 Bar – 6 Bar

6v (19mm orifice) solenoid valve for battery powered kits.

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

#### ORDER CODE

¾" 6v Valve (TPTS-B)

#### TECHNICAL DATA

Material ..... ABS/Brass  
O-ring/washers ..... Nitrile  
Pressure rating ..... 0 Bar – 6 Bar  
Orifice ..... 19mm  
Connection ..... ¾" BSP  
Voltage ..... 6vDC  
Operation type ..... Latching



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