

TAP 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 tap spout or one of ours (*see following pages*). Sensor is fitted remotely.

TPTS model chrome Tap Sensor kits



Mains Powered (0.5 Bar - 6 Bar)

TPTS-M/HP/1 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Sensor c/w 38mm chrome bezel

TPTS-M/HP/2 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 2 no. 15mm Plastic 12V solenoid valve
- 2 no. Sensor c/w 38mm chrome bezel

Battery Powered (0.75 Bar - 10 Bar)

TPTS-B/HP/1 Tap Sensor kit

- 1 no. Battery-powered tap control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Sensor c/w 38mm chrome bezel

TPTS-B/HP/2 Tap Sensor kit

- 1 no. Battery-powered tap control box
- 2 no. 15mm G202 6V solenoid valve
- 2 no. Sensor c/w 38mm chrome bezel

TPTS model black Tap Sensor kits

Other RAL colours available



Mains Powered (0.5 Bar - 6 Bar)

TPTS-M/HP/MB3/1 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Sensor c/w 38mm black bezel

TPTS-M/HP/MB3/2 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 2 no. 15mm Plastic 12V solenoid valve
- 2 no. Sensor c/w 38mm black bezel

Battery Powered (0.75 Bar - 10 Bar)

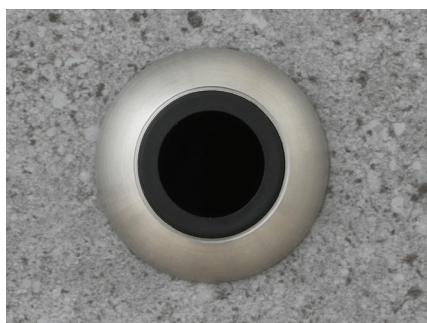
TPTS-B/HP/MB3/1 Tap Sensor kit

- 1 no. Battery-powered tap control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Sensor c/w 38mm black bezel

TPTS-B/HP/MB3/2 Tap Sensor kit

- 1 no. Battery-powered tap control box
- 2 no. 15mm G202 6V solenoid valve
- 2 no. Sensor c/w 38mm black bezel

TPTS model brushed stainless steel Tap Sensor kits



Mains Powered (0.5 Bar - 6 Bar)

TPTS-M/HP/SS/1 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Sensor c/w 38mm steel bezel

TPTS-M/HP/SS/2 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 2 no. 15mm Plastic 12V solenoid valve
- 2 no. Sensor c/w 38mm steel bezel

Battery Powered (0.75 Bar - 10 Bar)

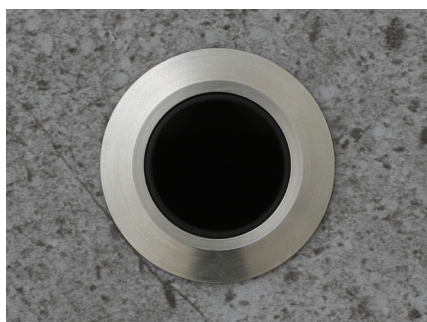
TPTS-B/HP/SS/1 Tap Sensor kit

- 1 no. Battery-powered tap control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Sensor c/w 38mm steel bezel

TPTS-B/HP/SS/2 Tap Sensor kit

- 1 no. Battery-powered tap control box
- 2 no. 15mm G202 6V solenoid valve
- 2 no. Sensor c/w 38mm steel bezel

TPTS model brushed stainless steel Flat 36mm Tap Sensor kits



Mains Powered (0.5 Bar - 6 Bar)

TPTS-M/HP/SS/F36/1 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 1 no. 15mm Plastic 12V solenoid valve
- 1 no. Sensor c/w Flat 36mm steel bezel

TPTS-M/HP/SS/F36/2 Tap Sensor kit

- 1 no. Mains-powered tap control box
- 2 no. 15mm Plastic 12V solenoid valve
- 2 no. Sensor c/w Flat 36mm steel bezel

Battery Powered (0.75 Bar - 10 Bar)

TPTS-B/HP/SS/F36/1 Tap Sensor kit

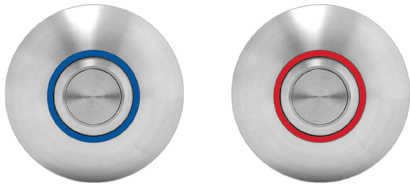
- 1 no. Battery-powered tap control box
- 1 no. 15mm G202 6V solenoid valve
- 1 no. Sensor c/w Flat 36mm steel bezel

TPTS-B/HP/SS/F36/2 Tap Sensor kit

- 1 no. Battery-powered tap control box
- 2 no. 15mm G202 6V solenoid valve
- 2 no. Sensor c/w Flat 36mm steel bezel

TAP SENSOR CONTROLS (Cont.)

Electronic brushed steel Tap Touchpad Switch kits – Lightly press the touchpad switch to turn water on



Blue for cold water Red for hot water

Mains Powered (0.5 Bar - 6 Bar)

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 (specify colour)

TPTS-M/HP/2 Tap Touchpad kit

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

Battery Powered (0.75 Bar - 10 Bar)

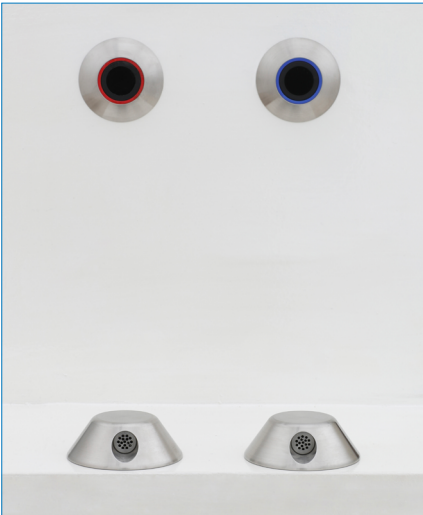
TPTS-B/HP/1 Tap Touchpad kit

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

TPTS-B/HP/2 Tap Touchpad kit

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

Special Brushed Stainless Steel AV Tap Sensor Kits



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

Mains Powered (0.5 Bar - 6 Bar)

TPTS-M/HP/1 Tap AV Sensor Kit

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

TPTS-M/HP/2 Tap AV Sensor Kit

- 1 no. Mains-powered tap control box
- 2 no. 15mm Plastic 12V solenoid valve
- 1 no. Red Stainless Steel AV Sensor (hot)
- 1 no. Blue Stainless Steel AV Sensor (cold)

Battery Powered (0.75 Bar - 10 Bar)

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

- 1 no. Battery-powered tap control box
- 2 no. 15mm G202 6V solenoid valve
- 1 no. Red Stainless Steel AV Sensor (hot)
- 1 no. Blue Stainless Steel AV Sensor (cold)

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

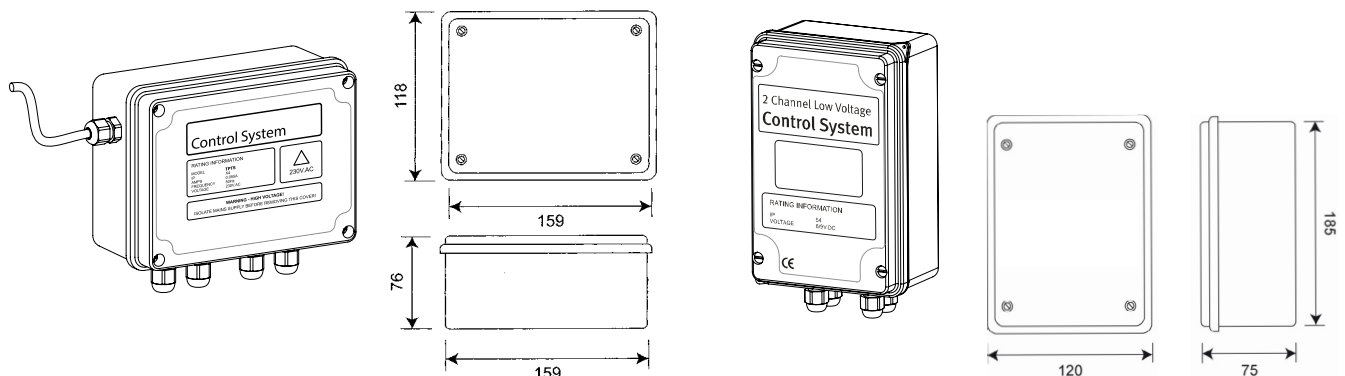
TAP SENSOR CONTROL KITS—TECHNICAL

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



Control Box (Cont.)

Optional Purge Facility: Available on both mains- and battery-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 only, "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).

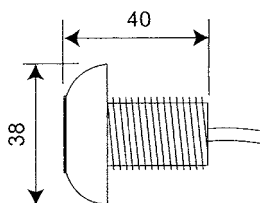
You can also set the system so you can activate the sensor once to turn the water on and then activate the sensor again to override the pre-set time and turn the water off immediately. It is possible to use 1 No. sensor to control 2 No. solenoid valves using a single control box.

Sensor / Touchpad Switch

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

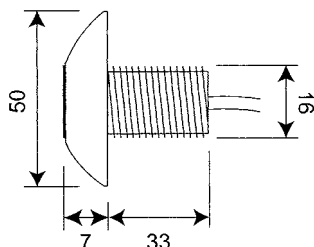
Ensure no bright lights (or reflected lights) are shining directly into sensor. If fitting sensor/touchpad through a thick (e.g. brick) wall, we can supply extension threads. Standard pre-wired sensor c/w 3m cable. Longer cable lengths available. *Call to discuss.*

Simply put your hand within 50mm of the sensor to turn water on. Turns water off automatically after use. If you require a longer sensing range (e.g. set to the length of the tap spout) or would like the sensor mounted directly below the tap spout you can choose our brushed stainless steel Programmable Tap Sensors with plain, blue or red inserts (to denote water temperature).



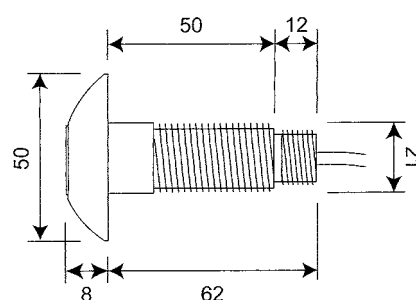
STANDARD 38mm SENSOR

Bezel diameter Ø38mm
 Overall length 40mm
 Thread length 33mm
 Thread material ABS Plastic
 Pre-wired YES
 Cable length 3m standard
 Finishes RAL Matt Black 3
 Chrome
 Brushed Steel
 Insert colour N/A



OPTIONAL 50mm SENSOR

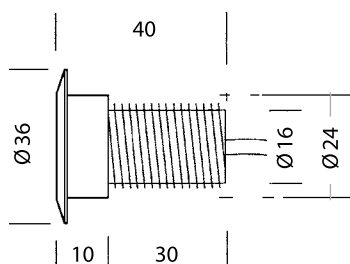
Bezel diameter Ø50mm
 Overall length 40mm
 Thread length 33mm
 Thread material ABS Plastic
 Pre-wired YES
 Cable length 3m standard
 Finishes Chrome
 Brushed Steel
 Insert colour N/A



AV SENSOR / TOUCHPAD SWITCH

Bezel diameter Ø50mm
 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)

For order codes add /50
 eg TPTS-M/HP/50/1 Tap Sensor kit



FLAT 36mm SENSOR

Bezel diameter Ø36mm
 Overall length 40mm
 Thread length 30mm
 Thread material ABS Plastic
 Pre-wired YES
 Cable length 3m standard
 Finishes Brushed Steel
 Insert colour N/A



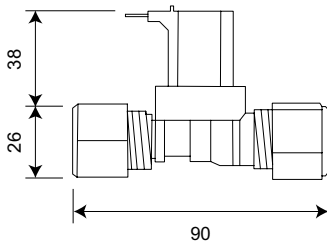
WRAS approved Solenoid Valves

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.

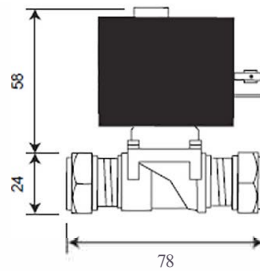
ORDER CODE
15mm 12v (7.1mm) Valve

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

BRUSHED STAINLESS STEEL TAP SPOUTS

Use our remote TPTS model Brushed Steel Tap Sensor kits or Tap Touchpad Switch kits to control the water flow to these spouts.

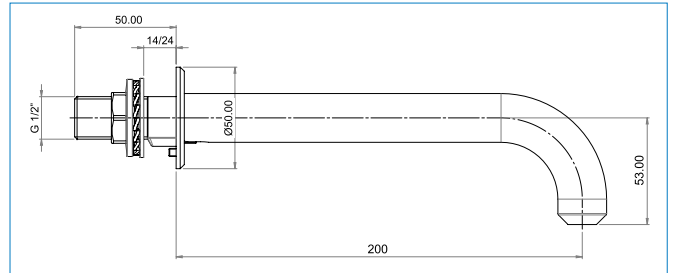
With "Twist-and-Lock" mechanism

Panel mounted spouts made from brushed stainless steel. Can be used in any application but designed specifically for **healthcare environments** as the spout can quickly & easily be removed by the building manager for cleaning, ensuring minimal downtime.

No flow regulator in nozzle.

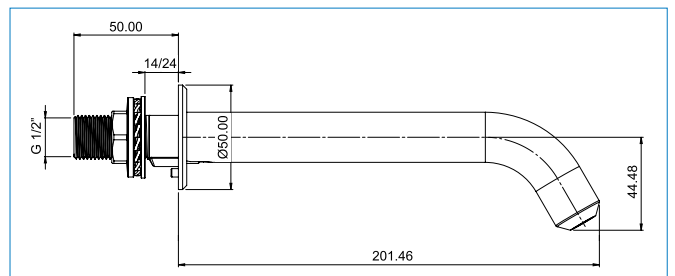


"Twist-and-Lock" spout with 90 degree unrestricted (no flow regulator) water outlet



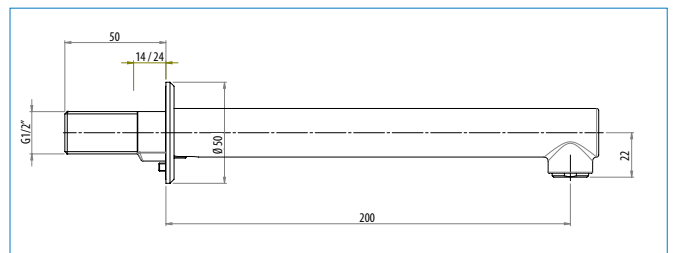
Order Code: SSEZ-90-Healthcare

"Twist-and-Lock" spout with 60 degree unrestricted (no flow regulator) water outlet



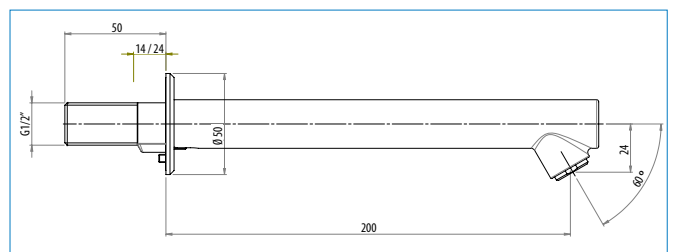
Order Code: SSEZ-60-Healthcare

Brushed steel spout with 90 degree water outlet with integral 5 Lpm flow regulator



Order Code: EZ-SS-90

Brushed steel spout with 60° water outlet with integral 5 Lpm flow regulator



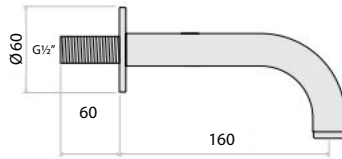
Order Code: EZ-SS-60

CHROME TAP SPOUTS

Use our remote TPTS model Chrome Tap Sensor Kits to control the water flow to these spouts.

Chrome panel mounted spout with integral 3.8 Lpm flow regulator

Order Code: CTS-PM



Operating pressure **5 Bar maximum**
Max Inlet temp **65°C**
Finish **Chrome**
Standard flow reg. **3.8 Lpm**
Optional flow reg. **1.9, 5, 6 or 8 Lpm**

Optional unrestricted insert for very low water applications on request



Typical installation: Chrome panel mounted spout with our TPTS model chrome tap sensor (ordered separately)



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
Website: www.robertpearson.co.uk