

MPRO

Wall Mounted Spout Sensor

PRODUCT CODES:

PROX0160Wx



IMPORTANT INFORMATION BEFORE YOU START

Please read carefully and keep this information for further reference.

All products manufactured and supplied by Crosswater are safe provided they are installed, used correctly and receive regular maintenance in accordance with these instructions. If you are in any doubt about your ability to install this product safely you must employ the services of an experienced qualified plumber.

These fittings need to be installed in accordance with, and meet the requirements of the Water Supply (Water Fittings) Regulations 1999 and Scottish Byelaws 2004.

Operating pressure range: Minimum 0.2 bar, Maximum 5.0 bar. Maximum static pressure: 10.0 bar.

Note: Nominally equal (balanced) inlet supply pressures are recommended for optimum performance with mixer taps designed to comply with BS EN 200 for single taps /

combination taps and BS EN 817 for single lever mixer, for water systems of type 1 and 2 general technical specifications and to be used within systems designed to BS 6700.

BS 6700 recommends the temperature of stored water should never exceed 65°C.

A stored water temperature of 60°C is considered sufficient to meet all normal requirements and will minimise the build up of lime scale in hard water areas.

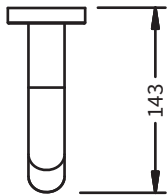
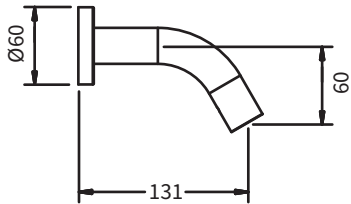
If the fitting is installed at low pressure (tank fed), then the minimum distance from the highest installed position of the outlet to the underside of the cold tank should be at least 2 metres to ensure adequate performance.

crosswater^x

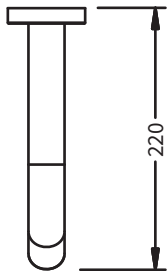
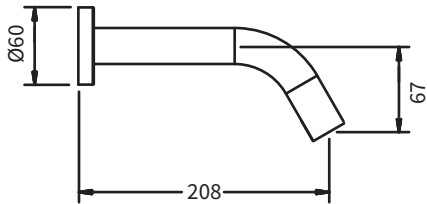
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DIMENSIONS

MPROX0160W_135



MPROX0160W_220



NOTE: ALL DIMENSIONS IN MILLIMETERS

CARE & MAINTENANCE

CLEANING THE PRODUCT

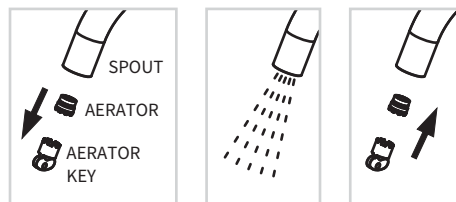
The material we use in our taps is very durable, nevertheless care should be taken when cleaning them. They should be cleaned only with warm soapy water followed by rinsing with clean water and drying with a soft cloth. All finishes are vulnerable to acid attack and some strong substances such as household cleaners, disinfectants, denture cleaners, hair dyes, wine making, and photographic chemicals can cause the surface to go black or peel.

Note: Never use abrasive detergents or disinfectants or those containing alcohol, hydrochloric acid or phosphoric acid.

CLEANING THE AERATOR

Before use: Unscrew the aerator and allow the water to run freely until all debris is removed. Screw the aerator back into the spout once all impurities have been flushed from the water supply.

Periodically: Using the key provided in the box, unscrew the aerator from the spout and rinse with clean running water. Once all loose debris and dirt has been cleared, replace the aerator into the spout and tighten with the key provided.



IMPORTANT INFORMATION

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These taps and mixers should be installed in compliance with the Water Regulations. Where the supplies are unbalanced, i.e. Hot water from cylinder tank / cold from the mains, approved check valves must be fitted in the supply pipes. For further details contact your Local Water Authority.

BEFORE YOU START

Important Pre-Installation Notes

Remove all packaging and check the fitting for damage before starting installation.

Warning: Before starting any installation please consider the following: before drilling into the wall, check that there are no hidden electrical wires, cables or water supply pipes. This can be checked with the aid of an electronic detector. It is essential that you thoroughly flush through the pipework in order to remove any remaining swarf, solder, etc. Failure to carry out this procedure could cause problems or damage to the workings of the fitting.

If power tools are used do not forget to:
Wear eye protection
Unplug equipment after use

Important: Remember to turn off the mains water supply before connecting to any existing pipe work. Fitting isolating valves to the inlet feeds is recommended for ease of maintenance.

Take care when handling the 'flexible connecting pipes', do not bend, twist or crush them. Only tighten the pipes by hand. Do not crush or kink the shower hose, this could damage the hose and cause leaks.

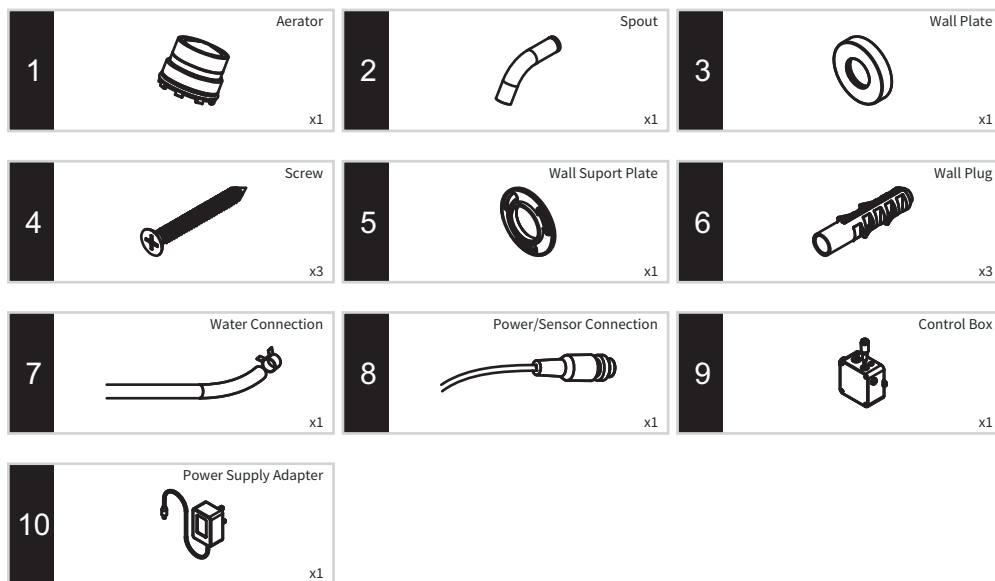
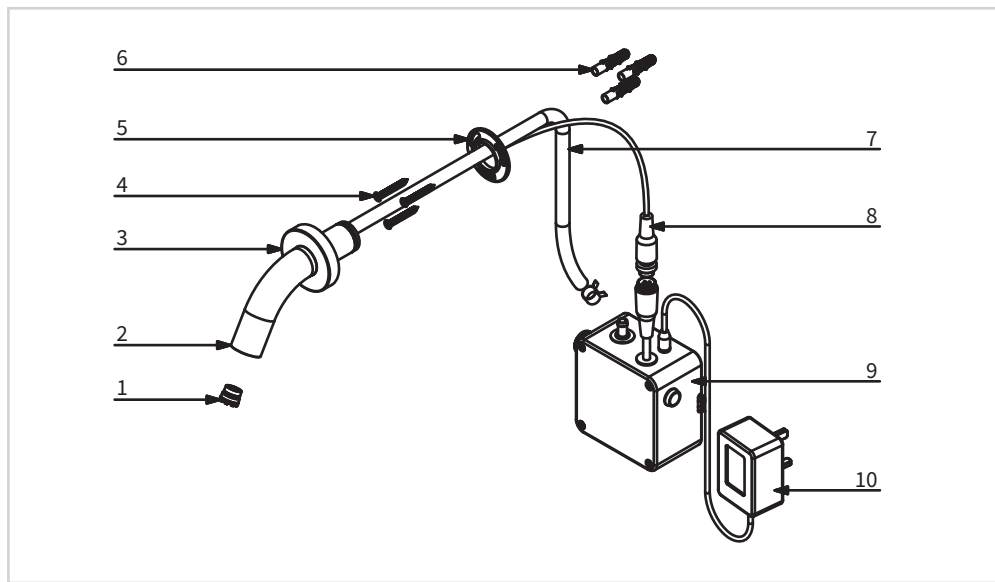
Functions & Features:

- Infrared sensor activation
- Automatic shut-off valve
- Helps to save water and energy
- Easy to use
- Hygienic (reduces risk of cross-contamination)
- Powered by battery and/or power supply
- Vandal resistant
- Self-adjusts the distance between the user and the sensor
- Sensor provides a faster and more comfortable experience

Tools Required (not supplied):

Pencil		Drill	
8mm Drill Bit		Screw Driver	

COMPONENTS



Having first checked all new connections, turn on the mains stop cock, close all taps except the new mixer and as the system starts to refill check for leaks.

Once you have checked that there are no leaks, switch on the water heating.

TECHNICAL SPECIFICATIONS

Voltage Supply	DC: 6V AC: 230V (50 Hz / 110 - 120 V (60 Hz)
Working Pressure	1 - 7 bar
Pressure resistance closed (1 min)	35 bar
Endurance	500.000 cycles
Max. Hot water	75° C
Flow Rate (RhA)	10,8 l/min
Sensor activation time	<1s
Protection against intrusion (Control box)	IP65
Protection against intrusion (sensor)	IP67
Sensor detection distance	Adjustable ≤ 35cm
Power consumption (standby)	AC < 4 W; DC < 0,2 mW
Power consumption (flushing)	AC < 5 W; DC < 3 mW
Water saving function	Auto off adjustable up to 1 min
Battery Type	4x AA 1,5 V

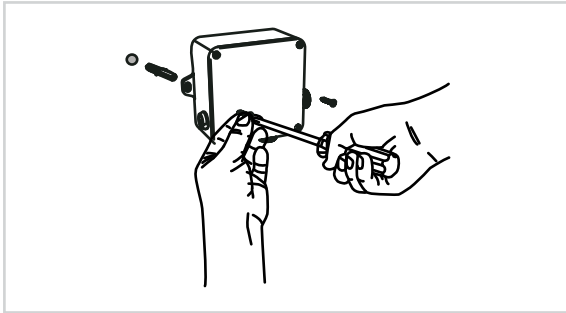
Checked in accordance with the following harmonized EN standards

EN 15091-2013
EMC: EN 55014-1:2017 + A11:2020
EN 61000-3-3:2019
EN 61000-3:2013 + A1:2019
EN 55014-2:2015
EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019
EN 62233:2008
RoHS: EN IEC 63000:2018

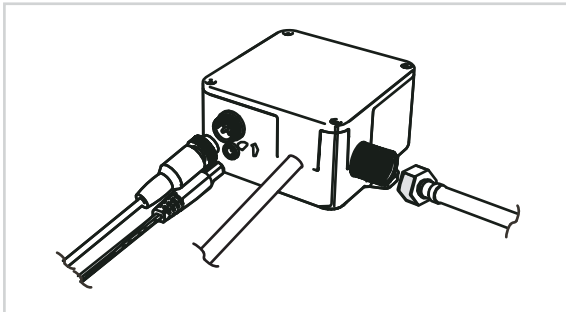
Checked in accordance with the following harmonized EN standards

2014/30/EC on Electromagnetic Compatibility
2011/65/EC on Restriction of Hazardous Substances
2014/35/EC Low voltage directive
2006/1907/EC ECHA list SVHC

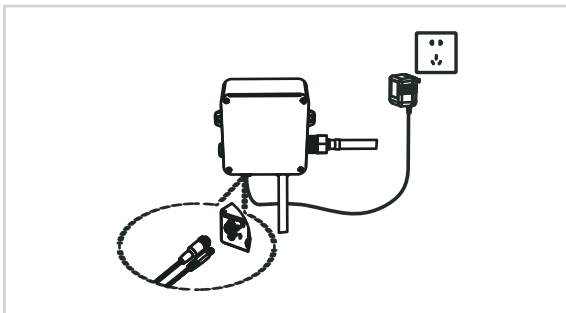
INSTALLATION



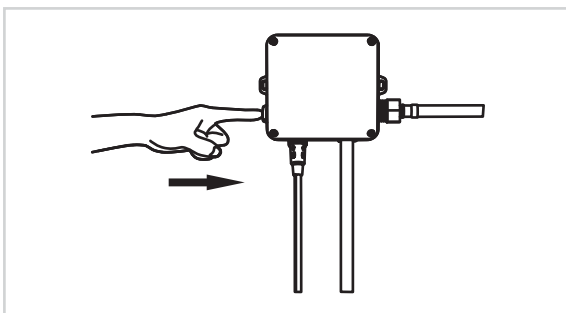
Fix control box to the wall.



Install filter elements and connect the water inlet and outlet securing with clip.

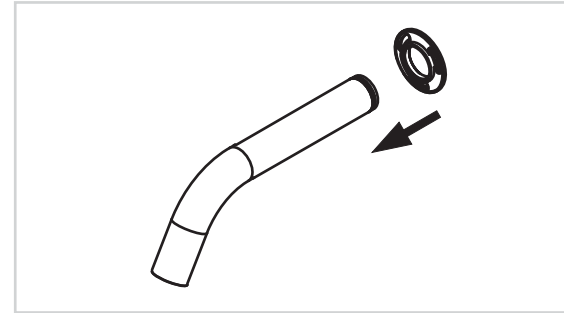


Connect the IR sensor from the tap to the control box. If necessary, according to the product version (AC or AC+DC), power the system via the transformer socket.

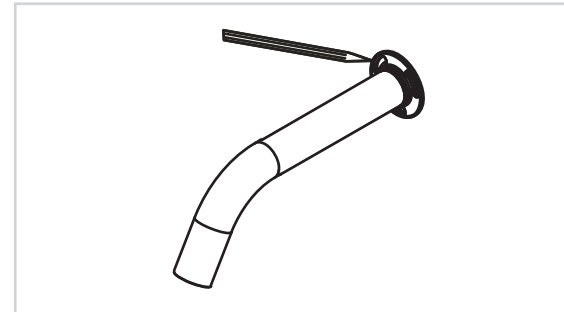


For detection distance adjustment, press side button for 3 seconds until sensor LED shows fast blinking. Put the hand in front of the sensor at the desired sensing distance. Sensor LED will turn for 3 seconds to inform that the adjusting process has been completed successfully.

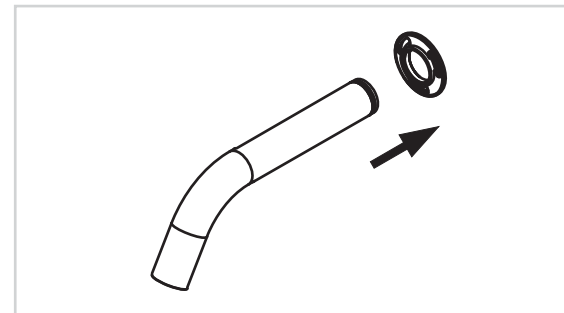
INSTALLATION



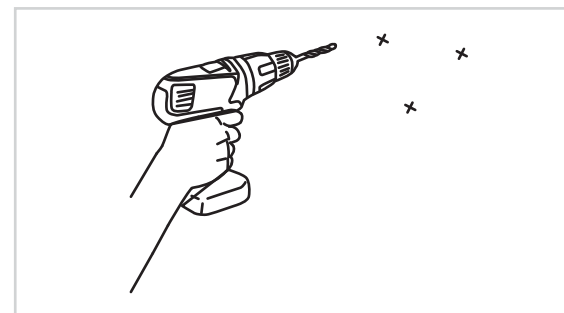
Drill a Ø22 mm hole at the desired spout installation location. Install wall support plate onto the spout, and tighten it properly. It will later need to be removed.



Pass connections through the hole in wall and position the spout in place. Mark the wall with a pencil in each slot to indicate where it will be secured.

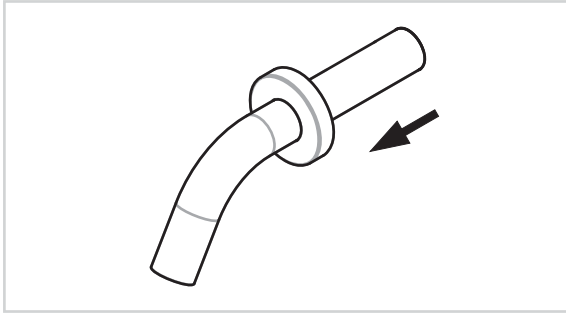


Remove wall support plate from the spout.

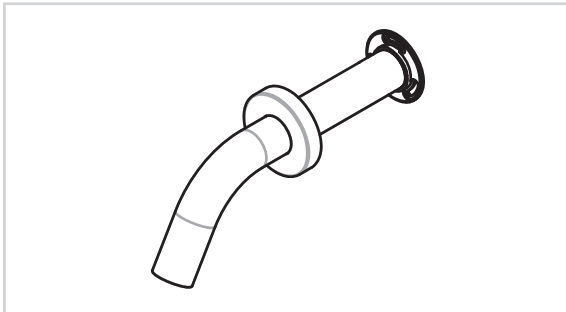


Drill the previously marked spots and install the wall plugs.

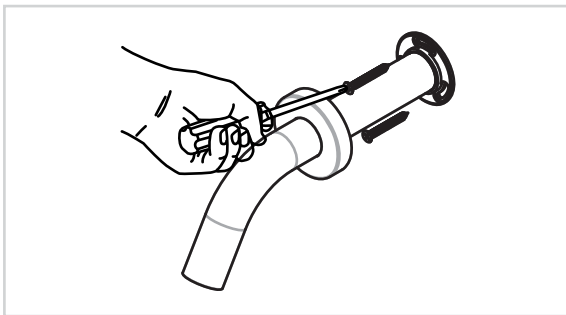
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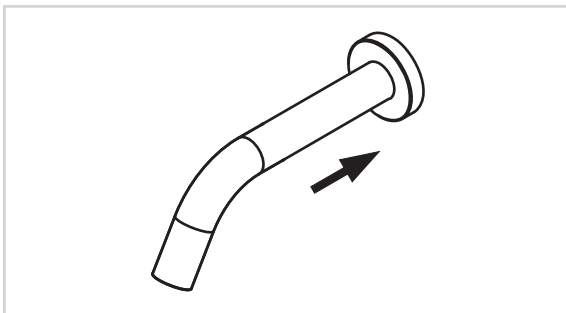
Place wall plate onto spout from behind (wall side). Lubricate the o-ring on the plate with water if necessary.



Reinstall wall support plate and tighten it securely.

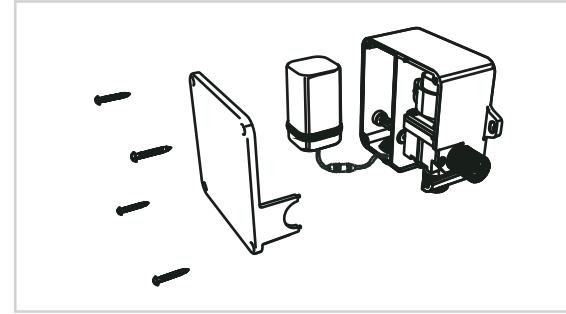


Pass connections through the hole, place spout on the wall and align vertically. Secure with provided screws in drilled holes.

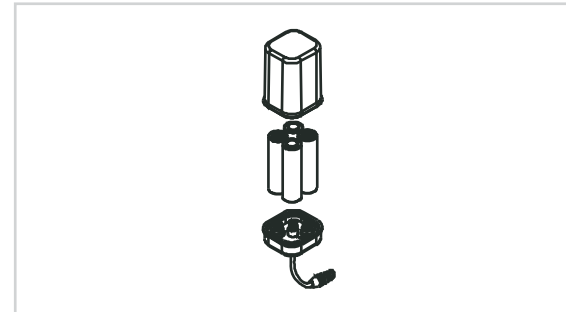


Slide wall plate back and secure it onto the wall support plate.

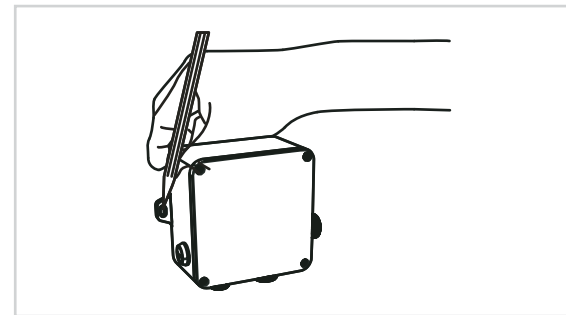
INSTALLATION



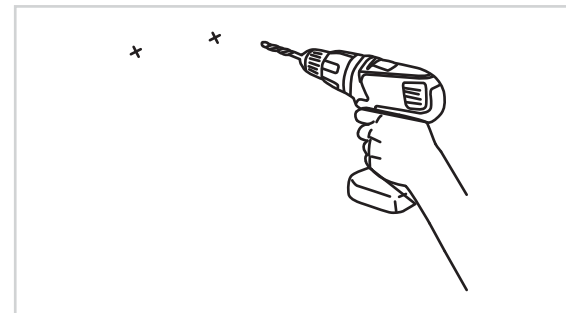
According to the product version, (DC or AC+DC), open control box and remove the battery box.



In case of version with batteries, introduce the 4x AA alkaline batteries into the battery box.



Mark the position of the holes with a pencil.



Make the holes in the wall with the appropriate measures.