

Zip touch free taps for ES and ILX ranges – Battery Powered

Model: TF002

Long reach basin/sink tap.

Zip touch free tap suitable for use with ES and ILX range of Inline instantaneous water heaters.

- Automatic infra red flow control to save water and energy
- All connections push fit together to save installation time and stop potential damage from soldering.
- User adjustable sensor detection range between 50mm and 250mm.
- Security lockout feature after 30 seconds of continuous running to prevent vandalism and water wastage.
- 6 lpm flow regulator is integral in the aerator to give economy and control.
- Complete with 800mm of cable of connection to the power supply.
- Spout chrome plated to a high standard.



The zip swan-neck basin tap is uniquely styled active infra red tap. It is totally hands free in operation which makes it ideal for use in environments like hospitals and nursing homes where infection from cross contamination can be a serious problem. All of the functions of the TF002 tap are programmed into the Infra red sensor, the run time is set so that when the sensor "sees" a presence a solenoid valve is activated and water begins to run from the spout. Water will continue to run as long as the sensor "sees" a presence, however after 30 seconds of continuous running the tap will automatically shut off and will not begin running again until whatever is activating the sensor is removed. After this the tap returns to normal operation (this feature is provided to prevent vandalism i.e. blocking the sensor with some object). When in use the tap also has a delayed shut off of 2 seconds so that if the users hands move briefly away from the sensor tap does not continually turn on and off. The TF002 tap is powered with a lithium battery and comes complete with a push fit solenoid valve, a flexible push fit hose and 800mm connection cables. The infra red sensor fitted in the tap gets its energy from the power supply pack (lithium battery). The sensor sends a microsecond long pulse to the solenoid valve when a presence is detected in the sensor's field. The solenoid valve is magnetically latching so only uses very small amounts of energy each time to open and close. Fabricated from solid brass which is chrome plated to a high standard, the sensors are pre-programmed and the detection field is site adjustable between 50mm and 250mm.

Materials:

Body	Standard brass
Connections	Standard brass
Seals	Nitrile hose
Connections	Push-fit x 15mm spigot
Hose	Stainless steel braided EPDM

Solenoid valve

Body	Glass filled nylon
Colour	Natural white
Seal	Buna
Armature	Stainless steel

Specifications:

Solenoid valve

Minimum operating pressure:	0.5 bar
Maximum operating pressure:	5 bar
Maximum water temperature:	70 °c
Flow regulator:	6 lpm

Integrated wash hand sensor

Power supply:	6 volts/1300mAh
Consumption:	28pA (typical)-40pA (max)
Adjustable range:	50mm to 250mm

Factory setting:	120mm
Detection angle:	8°
Convenience delay:	2 secs
Security delay:	20ms
Length of the supply wire:	800mm
Length of the solenoid wire:	800mm
Setup – hole cutting size for tap thread:	30mm dia

Approvals

Solenoid valve WRAS approval number 0007067

Standards

A European standard is currently being drafted
