

## Sola Infra Red Monobloc SF2610CP & SF2611CP Installation and Maintenance Instructions



In this procedure document we have endeavoured to make the information as accurate as possible.

We cannot accept any responsibility should it be found that in any respect the information is inaccurate or incomplete or becomes so as a result of further developments or otherwise.

## Introduction

This installation guide has been produced for the SF2610CP & SF2611CP Sola infra red basin taps. These instructions cover the installation, operation and maintenance. Please read the enclosed instructions before commencing the installation of this product, please note;

**We recommend that the installation of any Twyford product is carried out by an approved installer.**

## Products

Sola infra red monobloc tap - battery operated

SF2610CP

Sola infra red monobloc tap - mains operated

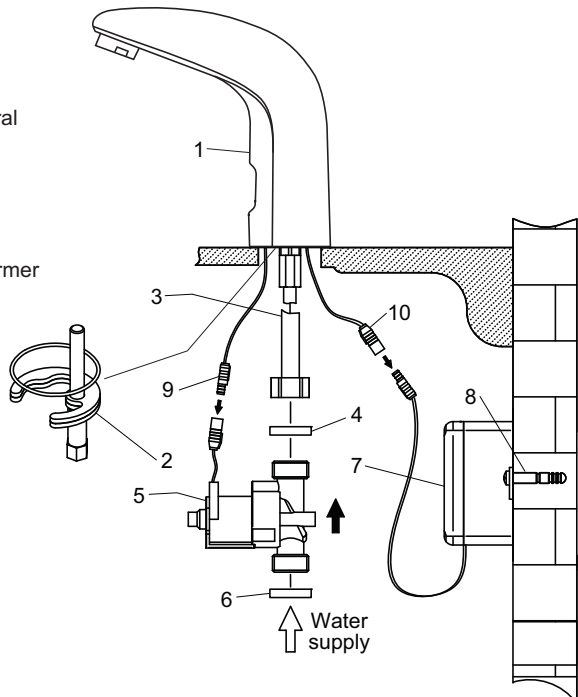
SF2611CP

## Check Contents

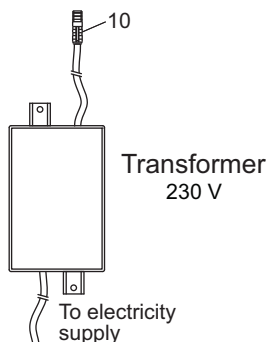
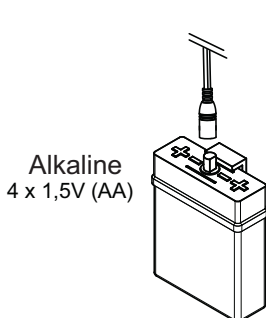
Before commencing remove all components from packaging and check each component with the contents list.

Ensure all parts are present, before discarding any packaging. If any parts are missing, do not attempt to install your Twyford electronic tap until the missing parts have been obtained.

Item	Components
1	Tap with infra red sensor
2	Fixing kit
3	350mm copper tail integral with the tap
4	Gasket
5	Solenoid valve
6	Filter gasket
7	Battery holder or transformer
8	2 screws & 2 wall plugs



## Check Contents



## Technical Data

Power specification:

Power source:

Operating water pressure:

Max. recommended water pressure:

Hot water temperature:

Self opening after last water flow:

6V low voltage system

SF2610CP: 4 x 1.5V AA batteries

SF2611CP: 230V transformer

1.0 to 8.0 bar (14.5 to 116 psi)

With water pressure in excess of 8 bar use with a pressure reducing valve.

5.0 bar

5 to 65°C maximum - To limit the outlet temperature to 41°C max. we recommend using a Thermostatic Mixing Valve.

Every 24 hours

## Pre-installation Information

### Warning

Do not install the tap facing a mirror or any other electronic system operated by an infra red sensor.

This tap is also vulnerable to stray sensor readings from users wearing high visibility or other reflective clothing.

To prevent reflection problems, it is recommended to keep a minimum distance of 1.5m between the tap and other objects.

### Preparation for installation

Flush the water supply pipes thoroughly prior to installation. Do not allow debris, PTFE tape or any metal particles to enter the tap.

Do not expose to temperatures below 5°C, for example during winter. If the tap will be exposed to freezing conditions the tap and system should be drained.

**Important:** All plumbing is to be installed in accordance with applicable codes and regulations.

## Installation

1. A service valve should be installed in the water supply pipe to the valve should maintenance be required in the future.
2. Turn off the water supply using the service valve (not supplied).
3. Install the tap (1) to the basin using fixing kit (2).
4. The copper tail (3) is integral with the tap and at the joint end connect the solenoid valve (5) using the gasket (4). Ensure the flow through the solenoid valve will be in the correct direction with flow to the tap, as marked on the solenoid valve.
5. Connect the solenoid to the water supply using the filter washer (6). Failure to fit the filter washer can damage the solenoid valve and invalidate the product warranty.
6. Fix the power supply unit to the wall using the wall plugs and screws provided.
7. Connect the signal cable to the tap by assembling connector (9).
8. Turn on the water supply and check all joints for leakage.
9. Isolate via the service ball valve and tighten or remake joints if leakage occurs.

## Connecting the power supply

1. Check that the sensor window is clean and that there are no obstructions in front of the window.
2. Insert batteries into the battery box or connect the transformer to electricity supply.
3. Connect the power supply to the tap by assembling connector (10).
4. The LED under the sensor window will start flashing, when it stops the tap is ready for use.

### **IMPORTANT:**

This product must be installed by a suitably qualified and competent person carrying the relevant current IEE electrical qualification.

## Sensor Range

The sensing range of the tap is preset and should not require adjustment.

If however the range needs to be adjusted it can be, using the following procedure;

- Unplug the power connector (10) or in the case of the transformer turn off the power supply.
- Wait for 30 seconds before re-connecting or turning on the power supply.
- When the red LED blinks (if it switches off, it is necessary to unplug the power connector or turn off the power supply and repeat the operation), put one hand immediately in front of the sensor (at a maximum distance of 5cm).
- When the red LED lights up permanently, move your hand to the desired sensor distance.
- Wait for the LED to turn off before moving your hand; at this point the new distance is stored.
- The new setting will be stored in case of battery replacement or failure of the electrical supply.

## Prevention of Flooding

To prevent flooding the wash room following an act of vandalism or carelessness - an object left in front of the sensor or dirty sensor, the tap has a safety device that shuts off the water flow after approximately 1 minute.

Once the object has been removed or the sensor cleaned, the tap will start working again.

The model with the transformer unit has an automatic shut off which turns off the water supply until the power supply is re-established.

## Aftercare

- Twyford taps have a high quality finish and should be treated with care.
- An occasional wipe with a mild washing-up liquid on a soft damp cloth followed by a thorough rinsing is all that is required.
- Do not use an abrasive or chemical household cleaner as this may cause damage.
- Cleaning the sensor - the darkened window which protects the sensor must always be clean in order for the tap to operate correctly; do not use abrasive material to avoid damaging the plastic surface.
- Cleaning the water supply filter (6) - water can contain impurities which could damage the solenoid valve. For this reason the inlet to solenoid valve has a gasket with an integral filter which must be kept clean in order to ensure a suitable water flow.

**CAUTION: turn off the water supply using the service valve before unscrewing the joint to remove the filter gasket for cleaning.**

### Battery Replacement - SF2610CP

When the batteries are exhausted, the LED blinks continuously and the solenoid valve stops in the closed position, replace the batteries and recycle the used batteries correctly.

## Problem Solving

Problem	Cause	Solution
No water flow from tap	Check service valve is closed	Open service valve
	Exhausted battery - the LED blinks	Replace battery
	Electrical problems	Check the voltage - where needed
		Disconnect and reconnected the battery
		Check the connector of the power cable
		Check the cable for damage
		Damaged sensor - assistance required
	Dirty sensor - with vandalism protection	Clean the sensor window
	Filter is dirty	Close the service valve and clean the filter
	Blocked solenoid valve	Assistance required
The water flows for 1 minute without an object in front of the sensor.	Dirty sensor	Clean the sensor window
	Light reflections on the sensor	Remove the reflection source - adjust the detection distance
	Electrical problems	Disconnect and reconnect the battery
Water flows for more than one minute	Blocked solenoid valve or damaged sensor	Assistance required
Self opening and closing of the tap without user's presence	Light reflection on sensor	Remove the reflection source - adjust the detection distance
The water flows without the tap being activated	Self opening function every 24 hours from last operation	Eliminates the risk of stagnant water

**Please leave this Manual for the User**

## Twyford Guarantee

At Twyford, we want to make things as easy as possible for our customers. That's why we design products that are easy to fit and use, and that are quality tested to make sure they won't let you down. It's also why we offer solid guarantees on all products, effective from the date of purchase, to give you peace of mind.

Twyford mixer taps are covered by a parts only **2 year guarantee**.

### Guarantee Terms and Conditions

This guarantee is in addition to your statutory and other legal rights and is subject to the following conditions:

- The product was purchased within the United Kingdom or Republic of Ireland.
- The guarantee applies solely to the original purchaser with proof of purchase.
- The installation must allow ready access to all products for the purpose of inspection, maintenance or replacement.
- Repair under this guarantee does not extend the original expiry date. The guarantee on any replacement parts or products ends at the original expiry date.
- Any part found to be defective during the guarantee period will be replaced without charge, providing that the product has been installed in accordance with the instructions given in this guide and used as the manufacturer intended.

The guarantee does not cover damage or defects caused by:

- General wear and tear (including special non-chrome finishes; components such as filters, seals, 'O' rings and washers).
- Incorrect installation.
- Repair using non-Twyford parts
- Accidental or wilful misuse
- Corrosion and the use of inappropriate cleaning products.

- System debris including the build up of limescale (which can be controlled through regular servicing and maintenance).

The guarantee does not cover compensation for loss of use of the product or consequential loss of any kind.

In the interests of continuous product improvement, Twyford reserves the right to alter product specifications without notice.

The Twyford Product Guarantee does not affect your statutory rights as a consumer.

### Need help?

If this product does not function correctly when first used, contact **Geberit Technical Department on 01926 516800** where our expert team of advisors will be able to offer you help and advice.

### Problems during the guarantee period

In the unlikely event that you encounter any problems with the product during the guarantee period, contact **Geberit Technical Department on 01926 516800** with your proof of purchase and we will work to resolve the problem quickly.

### Technical support hotline

(Tel: **01926 516800**) with access to fully trained advisors who can offer installation advice, talk you through quick maintenance checks, or recommend the best course of action to fix any problems with a product.

### Contact Us

For any queries please contact us or visit our website for further information:

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