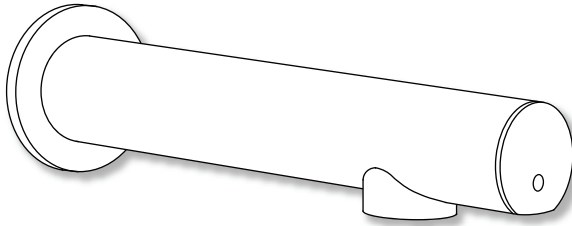


inta

Infrared Wall Mounted Tap

IR2582CP

Installation and Maintenance Instructions



inta

Intatec Ltd
Airfield Industrial Estate
Hixon
Staffordshire
ST18 0PF

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.

Tel: **01889 272 180**
Fax: **01889 272 181**
email: **sales@intatec.co.uk**
web: **www.intatec.co.uk**

Introduction

This installation guide has been produced for the IR2582CP infra red wall mounted tap.

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 Inta product is carried out by an approved installer.

It is recommended, especially in hard water areas, that a water softener such as the ActivFlo or ActivFlo lite be fitted to reduce the risk of calcium deposits forming.

Products

Infrared wall mounted tap with flexible hose (battery operated)

IR2582CP

Check Components

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 Inta infra red tap until the missing parts have been obtained.

Pre-installation Information

Warning

Do not install the tap facing a reflective surface 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.

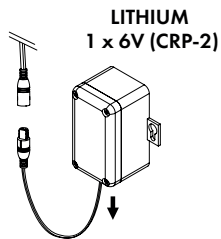
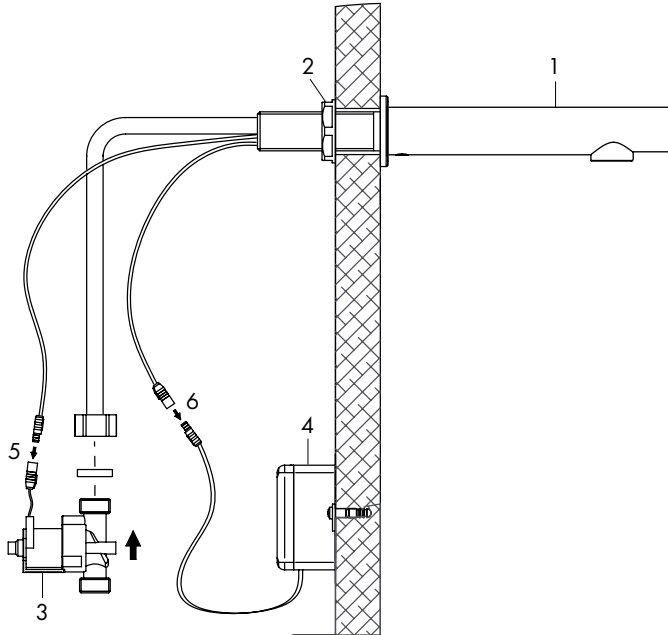
Preparation for installation

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.

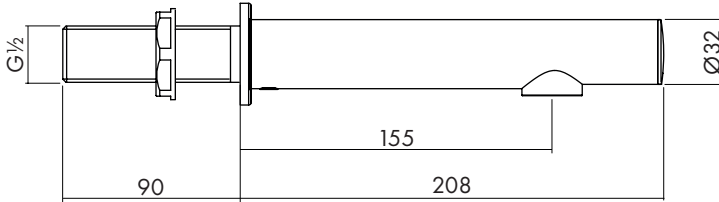
Important: All plumbing is to be installed in accordance with applicable codes and regulations.

Components



Item	Description
1	Wall mounted tap with flexible hose
2	Back nut
3	Solenoid valve with filter sealing washer
4	Lithium battery
5	Cable with male connection
6	Cable with female connection

Dimensions



Technical Specification

Flow rate (with flow regulator)	6.0 l/min
Max. operating pressure	8 bar
Min. operating pressure	1 bar
Working temperature range	5 to 70° C

Inlet	½" BSP - female flexible hose
Outlet	Flow straightener
Tap	Chrome plated
Battery powered	6V Lithium
Battery life cycle	220,000 cycles
Infra-red sensor	Activated by presence detection
Self opening	Every 24 hours from the last activation
Vandal proof safety	Self closing after 60 seconds of continuous flow
Low battery LED indication	In case of an exhausted battery the tap is kept closed
Bi-stable solenoid valve	6V
Adjustable aerator	

Installation

- 1 A service valve should be installed in the water supply pipes to the valve should maintenance be required in the future.
- 2 Turn off the water supply using the service valve (not supplied).
- 3 Drill a hole in the wall between 21 to 22mm in diameter.
- 4 The outlet from the tap should be over a basin and at a height to allow hands to be placed beneath the tap to activate the sensor.
- 5 Thread the flexible tube and two electrical cables through the hole.
- 6 Fix the tap to the wall using back nut and tighten to secure the tap.
- 7 Secure the battery box to the wall or panel in an accessible position.
- 8 Connect the solenoid valve to the flexible hose using the filter sealing washer provided.

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 to connect the electricity supply.
- 3 Connect the power supply to the tap by assembling connectors 5 and 6.
- 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 pre-set and should not require adjustment but can be adjusted between 5 and 25 cm approximately if required.

Adjusting the Sensor Range

Turn off the power supply by disconnecting the battery.

Wait 30 seconds and then restore the power to the sensor.

Immediately place a hand in front of the sensor (maximum 5cm from the sensor) with the red light flashing.

Wait until the red light is on constantly then move your hand to the desired distance.

Wait for the light to turn off before removing your hand to set the new range.

This new distance is stored in the event of a power cut or battery change.

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.

Aftercare

- Inta 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 - water can contain impurities which could damage the solenoid valve. For this reason the inlet to non return valve has 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

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.

Warranty

Limited Warranty

This product is covered by a limited warranty for one year from the date of purchase.

During this period Inta undertakes, at its option, to repair or replace any faults caused by defective material or manufacturing faults that may arise (see Inta Warranty).

This guarantee does not cover faults or damage caused by incorrect installation and/or maintenance, wear and tear, battery or water composition (eg hard water), this includes but is not limited to the following:

- Incorrect installation, inversion of supply pipes.
- Pressure or temperatures exceeding the recommended limits.
- Improper use, tampering, bad or lapsed maintenance.
- Foreign bodies, dirt or scale introduced by the water supply.

Problem Solving

Problem	Cause	Solution	
No water flow from tap	Check if service valve is closed	Open service valve	
	Exhausted battery - the LED blinks	Replace batteries	
	Electrical problems	Check the voltage - where needed	
		Disconnect and reconnect the battery	
		Check the connector of the power cable	
		Check for cable 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 reflective source	
	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 reflective source	
The water flows without the tap being activated	Self opening function every 24 hours from last operation	Eliminates the risk of stagnant water	

inta

Please leave this Manual for the User

To activate your product warranty please visit

www.intatec.co.uk

and click on Product Registration

inta

Intatec Ltd

Airfield Industrial Estate

Hixon

Staffordshire

ST18 0PF

Tel: **01889 272 180**

Fax: **01889 272 181**

email: **sales@intatec.co.uk**

web: **www.intatec.co.uk**

E & O.E

© Intatec Ltd 2023

20-02-23