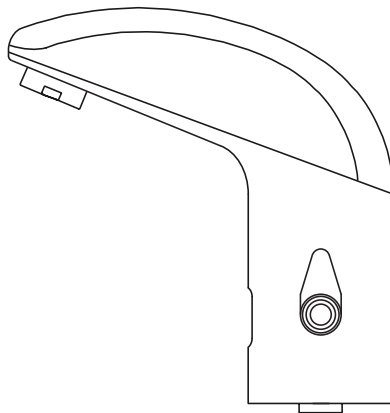


inta

Infrared Temperature Adjustable Basin Taps

IR180CP

Installation and Maintenance Instructions



inta

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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.

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Introduction

This installation guide has been produced for the IR180CP infra red temperature adjustable 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 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 thermostatic minimalistic temperature adjustable basin tap,
flexible tails and battery operated

IR180CP

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 electronic tap until the missing parts have been obtained.

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.

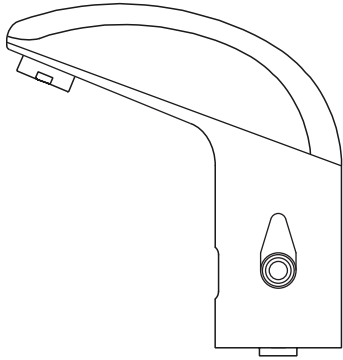
Preparation for installation

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.

Components



IR181CP Taps
1 off



Constant
Temperature
Collar
1 off



Flexible Tail
2 off



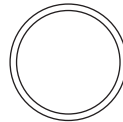
Threaded Rod
2 off



Steel Horse
Shoe Washer
1 off



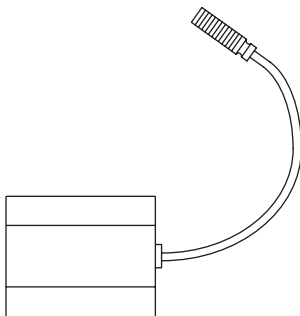
Rubber Horse
Shoe Washer
1 off



Rubber Seal
for Base of Tap
1 off



Retaining Nut
2 off



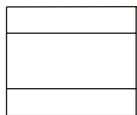
Battery Box
1 off



Seal Washer
with Filter
2 off

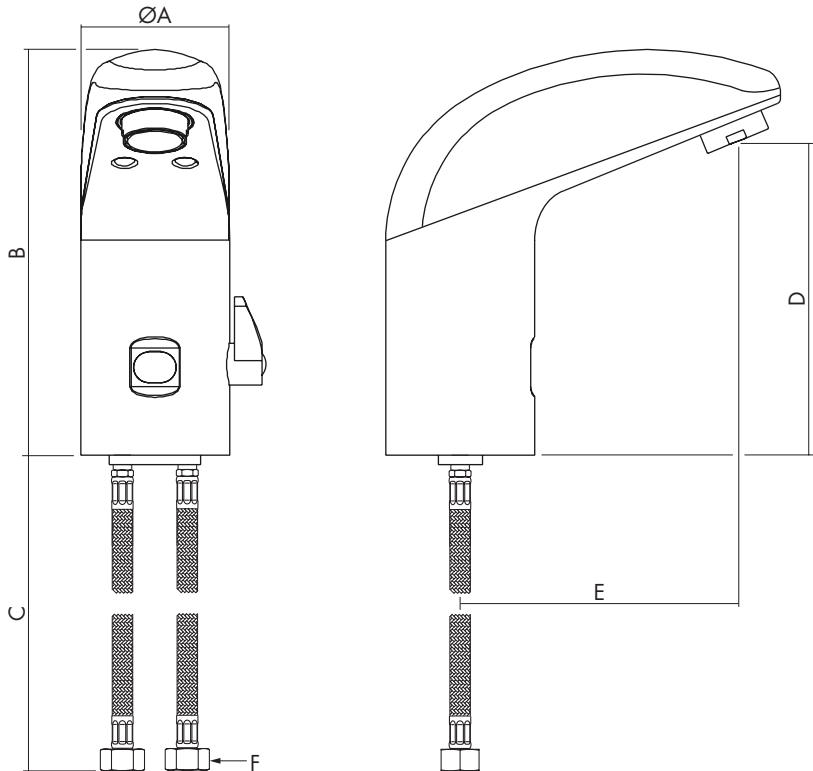


Cap screws
2 off



CRP2 Battery
1 off

Dimensions



Product Codes	A	B	C	D	E	E
IR180CP	60	138	200	108	118	G½

Technical Specification Continued

Inlet		½" BSP - female flexible hose
Outlet		Flow straightener
Battery powered	Battery	CRP2 lithium
	Output	6V DC
	Protection	IP67

Max. inlet pressure - static	8 bar
Min. operating pressure - dynamic	1 bar
Max. inlet temperature	70°C
Maximum basin thickness	26mm
24 hour automatic Anti-Stagnation hygienic flushing cycle	
Automatic calibration of the sensor field	
Automatically shuts off water flow after 60 seconds if the sensor is covered	

Operating Principle

Presence detection

By placing your hands near the sensor, the tap is turn on and water flows from the spout, this stops as soon as the hands are removed.

On/off

By moving your hands close to the sensor, the tap will start dispensing water.

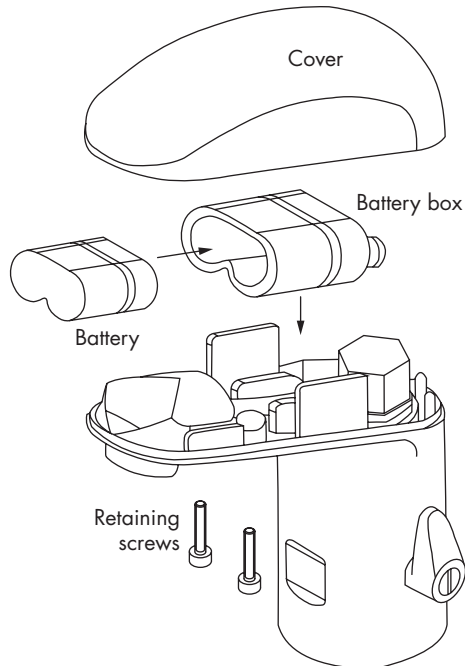
In order to stop it, move your hands close to the sensor a second time, otherwise it will stop automatically after one minute.

Installation

- 1 A service valve and check 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 Screw the two threaded rods and flexible hoses into the base of the tap.
- 4 Install the tap to the basin using the sealing and metal horse shoe washers and the two retaining nuts.
- 5 The solenoid valve is located inside the tap and does not require fitting.
- 6 Connect the two flexible hoses to the hot and cold supplies ensuring that the two filter sealing washers are used.

Connecting the Power Supply

- 1 Check that the sensor window is clean and that there are no obstructions in front of the window.
- 2 The cover is supplied loosely assembled to the tap body and the retaining screws, battery box and battery are supplied separately.



- 3 Insert battery into the battery box.
- 4 Position the battery box into the top of the tap and connect the power cable by pushing the two connectors together.
- 5 The LED under the sensor window will start flashing, when it stops the tap is ready for use
- 5 Fit the cover to the tap body and retain using the two screws.

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.

If needed, users can customise it between 5 and 25 cm approximately.

Remove the top cover of the tap and disconnect the battery box.

Wait for 30 seconds then reconnect the battery box to restore power to sensor.

Immediately place a hand in front of the sensor at a maximum distance of 5 cm with red light flashing (if it stops flashing remove the power supply again and repeat the whole procedure).

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

Wait for the light to turn off before removing your hand to set new range, at this point the new range is set.

Reducing the Maximum Temperature

If the hot water supply is at a high temperatures, to avoid scalds to the user or for energy saving reasons it is possible to limit the temperature of the water supplied to the user.

It is recommended that the mixed water temperature is set using a digital thermometer at the outlet from the tap.

Turn the mixing lever until the desired temperature has been reached.

Once the desired temperature has been reached, remove the lever and the locking ring nut and reassemble the lever at the new maximum temperature, taking care not to move the position of the tap, make sure to position the ring fully oriented towards the new setting.

ATTENTION: this procedure mechanically locks the mixing between hot and cold water, but does not regulate the supply temperature: therefore it does not provide any protection to the user if the cold water supply is turned off to the tap.

This procedure does not replace the requirement for a thermostatic mixing valve (TMV).

Constant Temperature

The infra red temperature adjustable tap can be converted to constant temperature operation if required.

The adjustable temperature lever locates on the hexagon of the thermostatic cartridge and therefore can adjust the temperature.

The constant temperature collar has a circular interior which locates on the corners of the hexagon and therefore can only rotate on the cartridge.

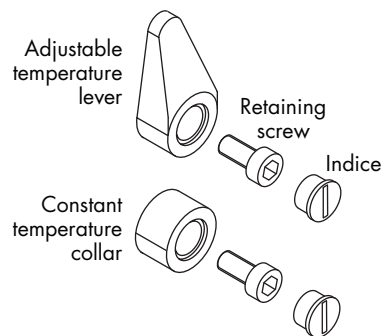
To convert the tap remove the indice and the retaining screw.

It is recommended that the mixed water temperature is set using a digital thermometer at the outlet from the tap.

Turn the mixing lever until the desired temperature has been reached.

Remove the adjustable temperature lever and replace with the constant temperature collar.

Secure with the retaining screw and refit the indice.



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 filters - water can contain impurities which could damage the tap. For this reason the inlet to the flexible hoses 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.

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

To replace the batteries reverse the procedure detailed in 'Connecting the Power Supply', fit a new battery and secure the cover.

Recycle the used battery correctly.

Warranty

Limited Warranty

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

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

Fault Finding

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 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 form last operation	Eliminates the risk of stagnant water	

Notes:

Notes:

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Please leave this Manual for the User

To activate your product warranty please visit
www.intatec.co.uk
and click on Product Registration

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