

# inta

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## Infra Red Basin Tap IR120CP.1 & IR121CP.1 Installation and Maintenance Instructions



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**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 IR120CP.1 & IR121CP.1 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 Inta product is carried out by an approved installer.**

## Products

Infra red basin mounted tap with battery box IR120CP.1

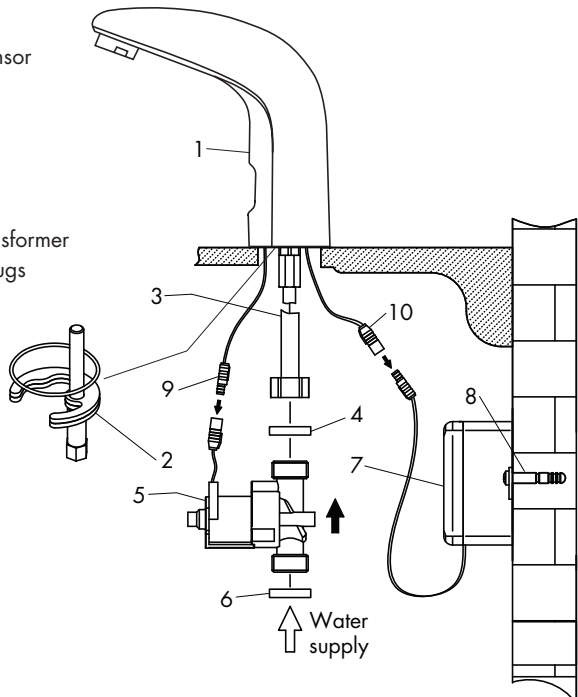
Infra red basin mounted tap with electronic transformer IR121CP.1

## Check Contents

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

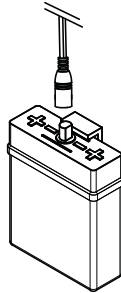
Ensure all parts are present, before discarding any packaging. If any parts are missing, do not attempt to install your Inta electronic tap until the missing parts have been obtained

Item	Components
1	Tap with infra red sensor
2	Fixing kit
3	Copper pipe
4	Gasket
5	Solenoid valve
6	Filter gasket
7	Battery holder or transformer
8	2 screws & 2 wall plugs

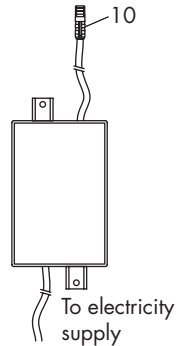


## Check Contents

Alkaline  
4 x 1,5V (AA)



Transformer  
230 V



## 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

IR120CP.1: 4 x 1.5V AA batteries

IR121CP.1: 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 the Intamix Thermostatic Mixing Valve code 40015CP.

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. Connect the copper pipe (3) to the tap and the other end to 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 water (6). Failure to fit the filter washer can damage the solenoid valve and invalidate the product warrantee.
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

- 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 (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 - IR120CP.1

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 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.

## Trouble Shooting

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**

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To active your product warranty please visit  
**[www.intatec.co.uk](http://www.intatec.co.uk)**  
and click on Product Registration

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ST18 0PF

Tel: **01889 272 180**

Fax: **01889 272 181**

email: **[sales@intatec.co.uk](mailto:sales@intatec.co.uk)**

web: **[www.intatec.co.uk](http://www.intatec.co.uk)**

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