

# WL3 IR Module Installation Manual



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## Waterlogic IR Module System

### Safety

Please ensure that you carefully read the information in this manual and for any parts, refer to the specific part listing. The below is not a step by step procedure and only trained members of staff are to follow these instructions.

Caution! Please ensure the retrofit of Waterlogic IR modules are only carried out by trained and experienced technicians. The Waterlogic IR module retrofit is NOT to be carried out by ANYONE who is not experienced or trained on Waterlogic systems.

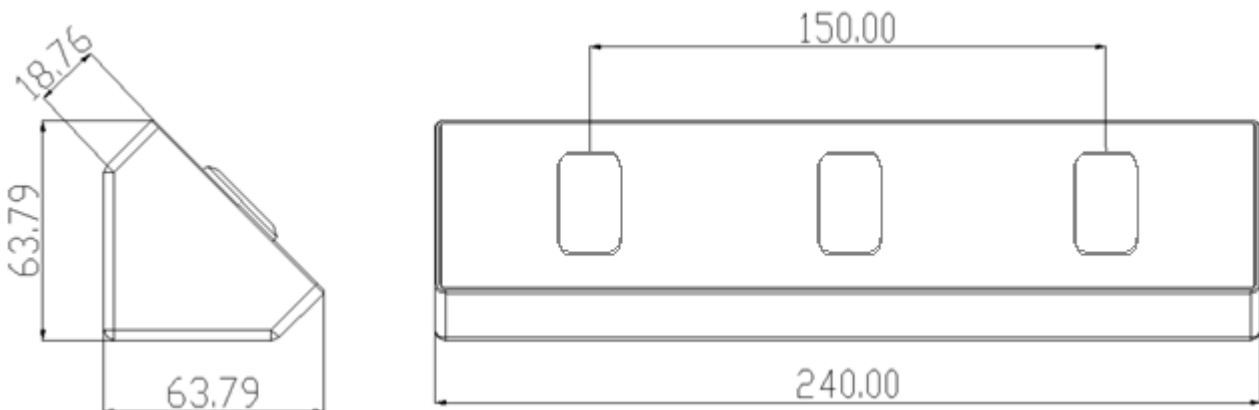
Warning! Take extreme caution when working with electricity, safe isolation processes MUST be followed before carrying out any retrofit work.

Do not operate if damaged! If the machine or supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

### What is the Waterlogic IR module?

Waterlogic has produced a hands-free solution to help our customers achieve the highest hygiene standard in the workplace. Our IR modules fit most of our dispensers (including Table Tops) providing access to the same great quality water.

### Waterlogic IR Module Specification




## Part Numbers and Ordering

### Ordering

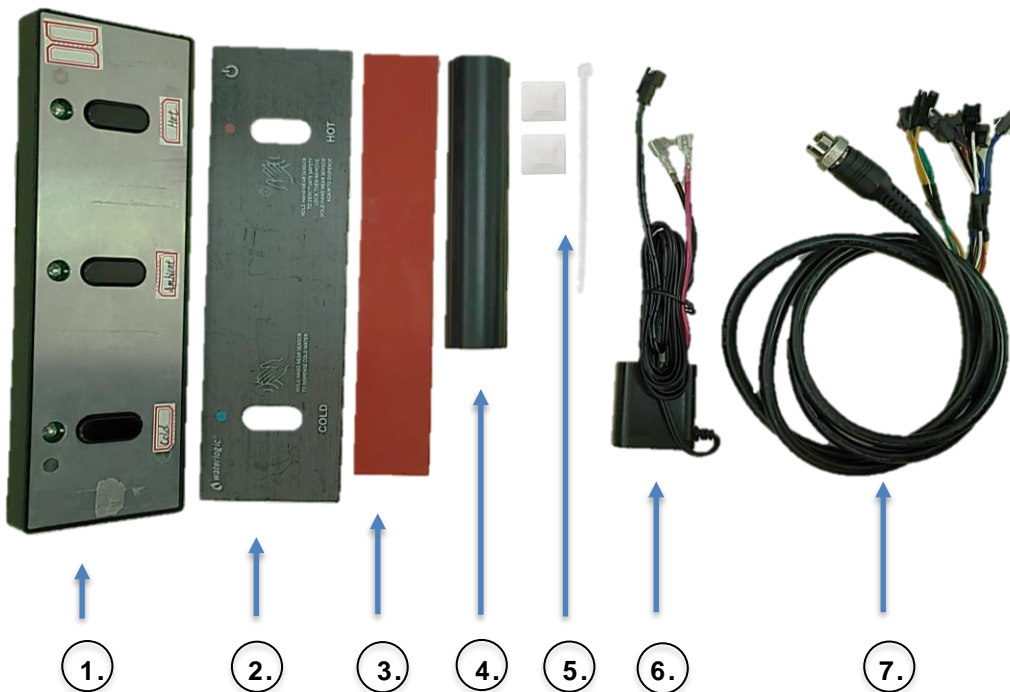
Please order through Waterlogic with the below part number kit numbers. IR Modules are NOT universal for all models.

- IR Modules come with the required wires for the connection

### IR Module Part Numbers

| Example Photo   | Part Number             | Description                         |
|---|-------------------------|-------------------------------------|
|  | K-AK-ST-0347-L00-00-HCA | IR Module Kit Hot, Cold and Ambient |

### What is included in the IR Module Kit?






| Item Number | QTY | Description                      |
|-------------|-----|----------------------------------|
| 1.          | 1   | IR Module                        |
| 2.          | 1   | UI Label                         |
| 3.          | 1   | Double sided tape for attachment |
| 4.          | 1   | IR Module wire trunking 150mm    |
| 5.          | 2   | Cable tie with mount             |
| 6.          | 1   | Power adaptor                    |
| 7.          | 1   | Signal/power cable for IR module |

## WL3 Installation Instructions

### Parts and tools required

In order to make the retrofit to the WL3 models, you will need the following parts/tools;

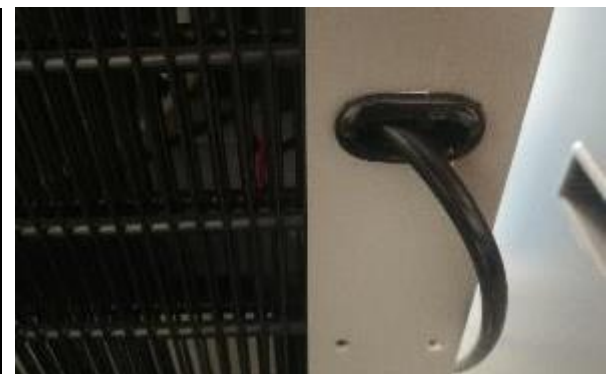
| Example Photo  | Part Number             | Description  |
|--|-------------------------|--|
|   | K-AK-ST-0347-L00-00-HCA | IR Module Kit Hot, Cold, Ambient                           |
|   | -                       | Selection of screwdrivers                                  |
|  | -                       | Appropriate Personal Protective Equipment for the retrofit |

### Installation

It is advised to turn off the water supply to the machine and disconnect the water supply during these steps to make it easier to maneuver the machine. If you have enough working space around you, this step is not necessary.

Safely isolate the WL3 from the main power supply. To do this, remove the power plug from the mains socket and unplug the other side of the power harness from the back of the machine. Place the power lead in a safe position away from any water or trip hazard locations – It is recommended to place in your tool bag.

**For WL3 freestanding and mini models, the cut out already exists and there is no need to cut or drill a new hole.**



Route the four connections of the IR Module cable through the hole with grommit into the interior of the machine. Leave the other end hanging for now. It will be connected to the IR Module later.

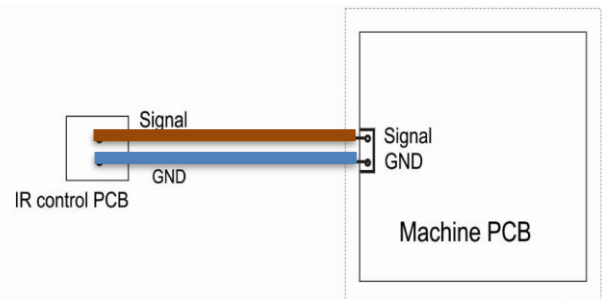
### Install the IR Module

**NOTE:** The WL3 comes equipped with the new UI PCB, so a new PCB is not required for IR Module Integration.

#### IR module PCB connection



#### IR Module PCB Connections



Ensure the correct IR module is used for the WL3. Connect the **Hot, Cold, and Ambient** leads of the IR Module cable to the **Hot, Cold, and Ambient** leads of the WL3 PCB. Connect the **Power** lead of the IR Module to the power lead connection on the power pack.

**Helpful tip:** If the IR module does not operate, the signal and ground may be the wrong way around, by switching the signal and ground around the other way may solve the issue.

**IR Module Power Connection**

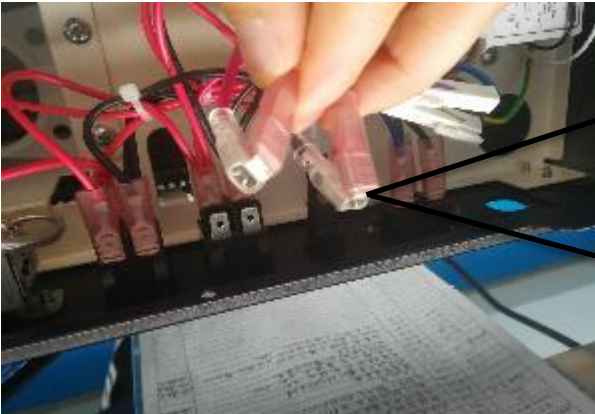
It is imperative the below is followed **correctly** and with the machine unplugged from power.

Taking the power adaptor (item 6, page 4) you will need to connect the spade fittings to the back of the red power switch located at the rear of the machine.

Connect the power Inlet wire, Live and Neutral together with the IR Module wire and connect back to the switch again.

Ensure the following is connected

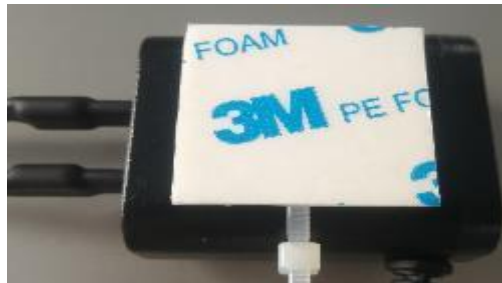
- IR adaptor **Red Wire** connector + Machine fuse wire (**Black**)
- IR adaptor **Black Wire** connector + Machine socket/EMI wire (**Blue**)



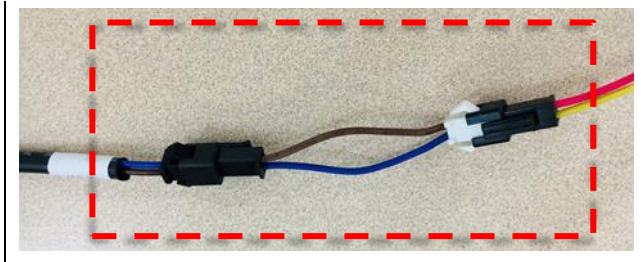
Wire to  
socket/EMI

Fuse wire

Carefully attach the power pack to the back of the machine, above the cold thermostat using the mount and cable tie. Ensure the power pack is **not** touching the cold thermostat and sufficient clearance is met.



**Helpful tip:** If the IR module does not operate, the signal and ground may be the wrong way around, by switching the signal and ground around the other way may solve the issue. To do this, you will need to use the additional connector as shown below.



### IR Module Connection

With the IR Module Connector wire routed to the outside of the machine, slip the wire into the wire trunking, then make the connection to the IR Module. Using the double sided tape, attach the IR module to the top of the machine in the desired position.



With the IR module in position and the wiring harness safely installed, you can now turn on the water supply and re-establish the power supply. Check for correct operation of the IR module and ensure all water options are operating correctly.





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