Sensor Clamp Plug
Plug the sensor clamp into the CT1 socket on the board.

Sensor Clamp Installation
The sensor should be located at the incoming grid supply to the building. This will be the supply from the electric supply meter (NOT the PV generation meter). Clamp the sensor around the LIVE from the meter. Ensure the clamp is securely closed around the cable.

It does not matter which way round the sensor is clamped around the cable, the immerSUN will work out the import/export direction automatically.

PV connected via Henley Block
If the PV system is connected via a terminal then the clamp should be installed on the grid side of the block, i.e. between the meter and terminal block.

More than one consumer unit
Where there is more than one consumer unit, the clamp should be installed at the primary incoming supply (i.e. before it splits).

Antenna
Screw the antenna onto the antenna connector at the top of the unit. An antenna should also be fitted to the immerSUN.

Power Supply Connection
Wire the supply plug to 220 – 240V AC supply. The supply can be from an existing circuit as long as the cable is rated higher than the fuse. Often the lighting circuit or immersion heater circuit is used. Be sure to label the circuit breaker or fuse accordingly.

Important!
- Earth MUST be connected
- Ensure wires are secure in screw terminals
- Check plugs are fully inserted
- Secure cables to the cable anchor points with the cable ties provided

Pairing Mode
When in pairing mode the LED will flash RED
Pairing automatically activated when the Wireless Sensor is first switched on.

Paired (Good Signal)
Once paired the LED should be GREEN

Data Not Received by immerSUN
If the LED goes ORANGE, the data has not been received by the immerSUN – this may happen occasionally, however if too frequent the immerSUN tracking will be affected.

Data Not Received by Wireless Sensor
If the LED goes RED, the data was not received by the Wireless Sensor – this indicates a loss of communication.

Pairing Button
Using a pen or pencil, press and hold the pairing button for five seconds to put the Sensor in pairing mode.

Pairing with the immerSUN
Make sure the Wireless Sensor is in pairing mode, then select RADIO when prompted by the immerSUN during the Setup process. The immerSUN will ask which channel to use. Select an available channel then press ✅. The immerSUN will then start searching for the Wireless Sensor. This may take a few minutes. Once paired, the LED on the Wireless Sensor should be lit GREEN.
System Overview

Technical Specifications

Wireless Sensor Installation Guide

V1.0 ENG

Country of Manufacture: UK

Technical Specifications:

Model Number: T1070
Supply Voltage: 220 - 240V AC @ 50Hz
Input Current (max): 40mA
Ambient Temperature Category: II
Ambient Temperature: -20°C to +50°C
Supply Voltage: 220 - 240V AC @ 50Hz
Standby Consumption: 1W
Measurement Accuracy: ±1%
IP Classification: IP20
Dimensions: 235 x 152 x 72mm

Supply Clamp
Wireless Sensor
TERMINAL BLOCK
PV ARRAY
Distribution Board
Other Loads
Inverter
Wind Turbine
Electricity Grid
Sensor
TERMINAL BLOCK
Supply Clamp
Wireless Sensor
TERMINAL BLOCK
PV ARRAY
Distribution Board
Other Loads
Inverter
Wind Turbine
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Sensor