

IR Blaster Sensor

Doc ver.: BQW_03_0022.000



Features

- EU, US frequency support
- LoRaWAN 1.0.3
- 940nm Infrared wavelength
- $\pm 10^\circ$ half intensity
- One for all infrared controller
- 0 to 50°C operation temperature range

The IR Blaster Sensor utilizes LoRaWAN connectivity to emulate an infrared control to autonomously control devices such as HVAC unit, portable heater, television, etc. The intended use is to be able to control a device automatically such as turning on and off either a portable HVAC unit, heater or television. The device is also capable of adjusting the operating parameters such as adjusting the heater set point, turn on the fan and enable the heater to rotate.

Specification

Frequency	868MHz & 915MHz
RF TX power	US: +19dBm EU: +17dBm
Antenna Gain	-2dBi Peak, -5dBi Avg
RF Sensitivity	-123dBm
Battery Type	3.6V ½ AA Li-SOCl ₂ , 1200mAh
Battery Lifetime*	Up to 16 months
Average Current	135mA maximum / 100uA minimum
Protocol	LoRaWAN 1.0.3
Operation Temperature	0 to 50°C
Environmental Rating	IP40 equivalent
Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery

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SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBIR100-868	Europe	8	EU868 (862~870)
TBIR100-915	USA	16	US915 (902~928)

* Samples are also available for IN865, AS923, AU915, KR920.