

## Smart Infrared Bridge



▪ **ATR103** (without output)

## Description

The main function of "Alfan Smart Infrared Bridge" is to control the air conditioner. Smart Infrared Bridge has an infrared LED that should be placed in the air conditioner line of sight to communicate IR. With the help of this device, the users can learn the commands corresponding to the air conditioner and then control the air conditioner along with the rest of the smart home devices in an integrated way. "Alfan Smart Infrared Bridge" wireless connection to the smart Hub allows remote control via the Avalon app. This device is based on ZigBee 3.0 profile as the other "Alfan" smart home devices.

## Features

- Equipped with indicator LEDs to easily locate the switch in a dark place.
- Compatible with different types of air conditioner.
- Equipped with IR LED by 360° field of view.
- Specific learn key for learning remote codes.
- Ease of cleaning due to smooth and uniform surface.
- The capacitive touch technology.
- Stability of touch sensitivity in the high range of temperature and humidity.
- Ability to control by Android and iOS systems.

## Technical specification

Product Name	Smart Infrared Bridge
Model	ATR103
Nominal Power (W)	0.2
Nominal Voltage Range (V)	80VAC - 240VAC
Frequency Range	50Hz - 60Hz
Supply Voltage	3.3V/DC
<b>Radio specifications</b>	
Radio frequency	2.4GHz
Protocol	Zigbee
Wireless communication standard	IEEE 802.15.4
Transmission Range	Up to 60m(Free Field)
Max. Transmit power Measured	2.2mW
<b>Mechanical specifications</b>	
Dimension (L×W×H) [mm]	81×81×44
Operating Temperature	-10°C - 60°C
Operating Humidity	10% - 80%
Cover Material	Glass
Color	White(customizable)
Ingress Protection	IP20
Operating Environment	Indoor
Weight (gr)	180

## Dimension Drawing

