

# Shelly BLU H&T ZB

## Bluetooth & Zigbee temperature and humidity sensor

EAN code, Ivory: 3800238072414  
 EAN code, Black: 3800238072438  
 EAN code, Mocha: 3800238072452



### Product description

The Shelly BLU H&T ZB is a compact, battery-powered humidity and temperature sensor approved for both indoor and outdoor use. Measuring only 37×37×10 mm, it installs easily using double-sided tape and provides accurate monitoring of temperature and humidity. It is ideal for automations such as heating control, dehumidification, or bathroom ventilation.

The device uses Bluetooth for fast response and includes built-in Zigbee for integration with third-party Zigbee platforms.

Shelly BLU H&T ZB is powered by an included CR2032 battery with a lifespan of approximately three years. Installation is simple and takes only a few minutes.

### Technical data

<b>Physical</b>	
Size (HxWxD):	37x37x10 mm / 1.46x1.46x0.39 in
Weight:	13 g / 0.44 oz
Shell material:	Plastic
<b>Environmental</b>	
Ambient temperature:	-20 °C to 60 °C / -5 °F to 140 °F
Humidity:	0% to 100% RH
<b>Electrical</b>	
Power supply:	1x 3 V battery (included)
Battery type:	CR2032
Battery life:	3 years
<b>Sensors</b>	
Humidity sensor:	Yes
Temperature sensor:	Yes
<b>Bluetooth</b>	
Protocol:	5 (LE)
Max. RF power:	<8 dBm
Range:	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)
<b>Zigbee</b>	
Protocol:	802.15.4
Max. RF power:	< 8 dBm
Range:	Up to 10 m / 33 ft indoors and 30 m / 100 ft outdoors (Depends on local conditions)

