

# The JB-EXT-TH-R Wireless outdoor thermometer

## Product description

The product is a wireless component of the JABLOTRON system. It serves for outdoor temperature measurement using an internal or external sensor (not included). Measured data are sent to MyJABLOTRON where it is analysed and stored for further use for instance activating an assigned PG output, the SMS reporting of exceeding temperature limits or to create graphs of measured temperatures. This product should be installed by a trained technician with a valid certificate issued by an authorised distributor.

## Technical specifications

Power.....2x Lithium battery type CR123A (3.0 V/1500 mAh)

Please note: Batteries are not included

Low battery reporting .....<2,4 V

Typical battery lifetime (applies if the electronics are placed in a non-condensing environment with temperatures of 0 °C to +30 °C and relative humidity of 10% - 90% rH).

Sensor type / number of batteries	1x CR123A	2x CR123A
Internal	5 years	10 years
External (JB-TS-PT1000)	2 years	4 years

Current consumption (nominal / maximal)..... 15 µA / 50 mA

Communication band .....868.1 MHz, JABLOTRON protocol

RF range .....up to 200 m (open area)

Dimensions .....90 x 110 x 35 mm

Weight..... 145 g

Internal sensor temperature measurement range .....-25 °C to +60 °C

Internal sensor temperature measurement range accuracy.....±0.6 °C

External sensor temperature measurement range .....-50 °C to +200 °C

External sensor temperature measurement range accuracy.....±1 °C

Activation hysteresis of a PG output .....-1 °C

Operational temperature .....-25 °C to +60 °C

Average operating humidity ..... 75 % RH, non-condensation

IP coverage.....IP53

Also complies with ..... ETSI EN 300 220-2, EN 50130-4, EN 55032, EN 62368-1, EN IEC 63000

Recommended screw ..... 2x  ø 3.5 x 40 mm (countersunk head)



JABLOTRON a.s. hereby declares that the JB-EXT-TH-R is in a compliance with the relevant European union harmonisation legislation: Directives No: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at [www.jablotron.com](http://www.jablotron.com) - Section Downloads.

**Note:** Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please return the product to the dealer or contact your local authority for further details of your nearest designated collection point.

For an electronic version of this document (available in other languages) or a version for installation in the JA-100, scan the attached QR code.

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