

Wireless universal transmitter

Code: JA-150TX-UNI

Product JA-150TX-UNI is intended to be installed inside 3rd party detectors (Optex, Optea, Duevi, etc.) and allows their integration with JABLOTRON system.



Product description:

The JA-150TX-UNI is a wireless universal transmitter designed for integrating detectors from other manufacturers into JABLOTRON security systems. It allows connection via **Input**, **Tamper**, **Low Bat** and **AUX** inputs, ensuring full transmission of information about the status of the connected device.

JA-150TX-UNI can be powered either directly from the detector or via a separate [JA-BAT-UNI](#) holder, which is connected using a ready-made connector. Thanks to the separation of the power supply from the main module, the JA-150TX-UNI is easy to install even in devices with limited internal space.

Another key advantage is the option of full remote configuration of all parameters using the F-Link app.

Key features

- **Compact and variable design** - The separation of the power supply unit ([JA-BAT-UNI](#)) from the module allows for flexible installation in various types of detectors.
- **Power supply and output power line for detector** - The module can be powered from the detector battery (with a minimum consumption of 24 μ A) or from [JA-BAT-UNI](#). In addition, it can power the detector into which it is integrated.
- **Full remote configuration from F-L** - All inputs can be set remotely - including logic (NO/NC), input blocking or AUX functions (Fault / Masking). Mechanical switching is no longer necessary.
- **External antenna for increased range** - The option of connecting a 3pin antenna ensures better transmission even in more demanding conditions.

Technical information:

Power	1x Lithium battery, type CR123A (3.0 V / 1.4 Ah) when using JA-BAT-UNI or 3-10 V DC connected to the VIN/VOUT and GND terminals
Low battery voltage in JA-BAT-UNI battery holder	<2.4 V
Quiescent current consumption	24 μ A
Maximal current consumption	50 mA

Maximum radio-frequency power (ERP)	25 mW
Typical lifetime of battery	approx. 2 years
RF range - distance from the CP	up to 300 m (open area)
Communication band	868.1 MHz, JABLOTRON protocol
Operational environment	II. indoor general (according to EN 50131-1)
Classification	Security grade 2 (* installation in detectors meeting same security level)
Weight (without battery)	11 g
Battery holder weight	5.6 g
Average operating humidity	75% RH, w/o condensation
Dimensions	80 x 22 x 12 mm
Operating temperature range	-10 °C to +40 °C
Complies with	ETSI 300 220-1, -2, EN 50131-1, -3, -5-3, -6, EN 50130-4, EN IEC 63000, EN 55032, EN IEC 62368-1
Can be operated according to	ERC REC 70-03
Certification body	Trezor Test s.r.o. (no. 3025)