

## Bus outdoor access module with RFID and NFC reader

This product is a component of the **JABLOTRON** system. The outdoor card reader contains 2 reading zones and allows the simultaneous combination of 125 kHz (RFID) and 13.56 MHz (MIFARE® Classic) frequencies. Card reader can be used to activate PG outputs for example to control access (door lock). It has only reading zone and an optical status indication. The product is intended for installation by a trained technician with a valid Jablotron certificate.

### Installation



**When connecting the module to the bus, always switch the power off.**

1. Install the mounting pad with 2 screws in the prepared place.
2. Pull the cable from the reader through the hole in the mounting pad.
3. Align the reader on the top edge of the mounting pad (Figure 2) and click it in.
4. Then secure the card reader with the locking screw (4).
5. Connect the bus cable to the bus terminals via a JA-110Z-x terminal module and a JA-19xPL installation box.

#### Notes:

- If the reader is located outside the secure area, use the JA-110T bus isolator.
- To mount the reader on the KU68 installation box, use the WRE-KU68 WH (BK) adapter.
- To mount the reader with the cable duct, use the WRE-SC-WH (BK) adapter.

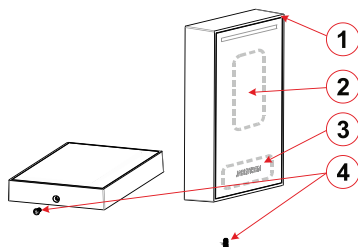


Figure 1: Description of external parts of the product

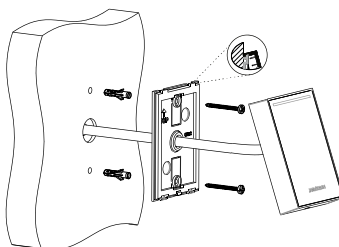


Figure 2: Reader installation

- 1 – LED indicator
- 2 – 125 kHz reading zone
- 3 – 13.56 MHz reading zone
- 4 – locking screw

### Enrolment to the system and settings

Depending on the type of control panel, use the recommended software or application, see the control panel manual.

### Technical specification

|                                                  |                                                   |
|--------------------------------------------------|---------------------------------------------------|
| Type of control device .....                     | A                                                 |
| Power .....                                      | from control panel digital bus 12 V DC (8...15 V) |
| Quiescent current consumption .....              | 50 mA                                             |
| Maximal current consumption .....                | 110 mA                                            |
| IP cover conformance according to EN 60529 ..... | IP55                                              |
| Mechanical strength according to EN 50102 .....  | IK08                                              |
| RFID frequency .....                             | 125 kHz                                           |
| Maximum RFID magnetic field strength .....       | -22.9 dBuA/m                                      |
| MIFARE® frequency .....                          | 13.56 MHz                                         |
| Maximum MIFARE® magnetic field strength .....    | -2.7 dBuA/m                                       |
| RFID cards .....                                 | JABLOTRON 100                                     |
| MIFARE® cards .....                              | MIFARE® Classic                                   |
| Dimensions .....                                 | 96 x 67 x 19 mm                                   |
| Weight .....                                     | 140 g                                             |

|                                                                                                                |                                           |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Cable length .....                                                                                             | 2.0 m +/- 5 %                             |
| Operating temperature range .....                                                                              | -25 °C to +60 °C                          |
| Average operational humidity .....                                                                             | 75% RH, non-condensation                  |
| Environment .....                                                                                              | outdoor general                           |
| Classification .....                                                                                           | security grade 2 / environmental class IV |
| .....                                                                                                          | .. (according to EN 50131-1)              |
| Certification body .....                                                                                       | Trezor Test s.r.o. (nr. 3025)             |
| In compliance with .....                                                                                       | ETSI EN 301 489-1, ETSI EN 300 330,       |
| .....                                                                                                          | EN 50131-1, -3, EN 50130-4, EN 55032,     |
| .....                                                                                                          | EN IEC 62368-1, EN IEC 63000              |
| Can be operated according to .....                                                                             | ERC REC 70-03                             |
| Recommended screw 2 x .....                                                                                    | ø 3.5 x 40 mm (countersunk head)          |
| MIFARE® is registered trademark, owned by NXP B.V. There is no affiliation between NXP B.V. and JABLOTRON a.s. |                                           |



JABLOTRON a.s. hereby declares that the 1READER1702OS\_TF is in a compliance with the relevant European Union harmonisation legislation: Directives No: 2014/30/EU, 2014/35/EU, 2014/53/EU, 2011/65/EU. The original of the conformity assessment can be found at [www.jablotron.com](http://www.jablotron.com) – the Downloads Section.



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 an installation version in JA-100, scan the attached QR code.



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