Bus-connected four-segment keypad with display and NFC reader



Code: JA-115E-NFC

The JA-115E-NFC represents the basic user interface in the JABLOTRON 100+ and Mercury portfolios, designed for users who require maximum functionality and intuitive operation. The robust four-segment design significantly simplifies installation and ensures a visually sleek finish without the need for complex assembly of individual segments.

Product description:

The keypad combines a clear display with segment-based controls that utilise a unique traffic light logic for immediate indication of the system status.

- **Traffic light control**: Four fixed segments allow for simple control of the most common functions, such as zone monitoring or PG output control, with clear colour status indication.
- **Innovative MIFARE authorisation**: Instead of the previous 125 kHz standard, the keypad supports modern and secure 13.56 MHz NFC MIFARE chips with advanced encryption.
- **Comprehensive system management**: The full range of system functions can be controlled via the internal menu, including viewing the event history, managing users or blocking individual peripherals.
- **Power supply and communication**: The module is powered directly from the system bus, which ensures stable operation and a constant response from the optical indicator and chip reader.
- **Simplified installation**: The screwless terminal block used facilitates cable connection and speeds up mounting directly onto the substrate or onto an installation box.
- **Surface mounting**: For installations with surface-mounted cabling (in a trunking or conduit), the optional JA-105PL mounting plate must be used.
- **System compatibility**: The product is fully compatible with control panels of the JA-102K, JA-103K and JA-107K series.

Technical information:

Type of control device	B
Power	from control panel bus 12 V DC (8–15 V)
Quiescent current consumption	9 mA
Maximal current consumption	47 mA
NFC frequency	13,56 MHz
Maximum NFC magnetic field strength	-5.4 dBµA/m (measured at 10 m)
Dimensions	110 x 136 x 33 mm
Weight	285 g
Classification	Security grade 2 / Environmental class II (according to EN 50131-1)
Environment	indoor general

Operating temperature range	-10 °C to +40 °C
Average operational humidity	75 % RH, non-condensation
Certification body	Trezor Test s.r.o. (nr. 3025. v.
In compliance with	ETSI EN 300 330, EN 50130-4, EN 55032, EN 62311, EN 62368-1, EN IEC 63000, EN 50131-3
Can be operated according to	ERC REC 70-03
Recommended screw	4x ø 3.5 x 40 mm (half-round head)