2-WIRE IP Entrance Panel

NVE-2W-EPV120KP



2-WIRE IP technology is characterized by the ability to transmit data and power using two wires. The 2-WIRE IP bus enables two-way communication without polarization. It does not require the use of UTP cables, which allows for easy and economical modernization of the existing system. By using the existing cable infrastructure, it allows you to take advantage of the benefits and functionality of IP technology.

Key features:

- 2-wire bus without polarity, operating at a distance of up to 300 m*
- Surface-mounted entry panel for 20 users
- Camera with 1920 x 1080 px resolution and 125° viewing angle, IR illumination
- Proximity card reader in mifare classic 13.56 MHz standard
- Mounting on an angle bracket with a rain cover, RTSP protocol support
- Gate and door control function and access via user code or one of 10 administration codes
- Possibility to connect an additional card reader or add a panel to the access control controller via the Wiegand interface

*Detailed information in the file *Examples of 2-wire bus applications + Wire lengths for Novus 2-Wire*

The Villa NVE-2W-EPV120KP entrance panel is an elegant and aesthetic device designed for outdoor use, e.g. in front of the entrance to a housing estate or property.
It allows you to easily communicate with the homeowner using a doorbell button and a built-in color camera and microphone. Infrared (IR) backlighting allows for trouble-free use of the panel even at night. The panel has a built-in power supply for the door electric strike and a relay for controlling the gate controller, so no additional accessories are required to operate both the door and the gate.
The built-in mifare standard proximity card reader with a frequency of 13.56 MHz and the possibility of connecting a door status sensor and an exit button allow you to create simple access control, which facilitates and automates the daily use of the system.
The Wiegand interface allows you to connect a proximity card reader to the entrance panel, providing two-way control using a card. The panel can also be connected to a AC controller; in this scenario, the controller provides master control over access. The panel supports the RTSP protocol, enabling streaming to Novus CCTV recorders. Image parameters, settings, and network protocols can be configured from the web application client.

Device type	Panel wejściowy 2-WIRE IP
Mounting type	Surface
Number of users	20
Sensor	CMOS HD 2 MPx
View angle (horizontal view)	125 °
View angle (vertical view)	72 °
Video coding	H.265 (default); H.264
Power supply input	24 - 36 VDC
Power consumption	4,5 W (Max.)
Lock output	NO: MAX 12 V DC 160 mA (Transient current: 700 mA-40ms)
Gate output	NO Relay (4 A / 36 V DC/AC)
Exit Button	Yes
Door open status indicator	Yes, reed switch
Wi-Fi	No
Standalone mode	No
Card reader format	mifare standard
Number of cards supported	1000
Numeric keyboard	Yes

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Access Code	Yes
Additional functions	vandal-proof housing, LED IR, mounting on an angular bracket, Status LEDs, Digital WDR (Wide Dynamic Range)
Dimensions	82 x 162 x 29 mm
Weight	600g
Protection code	IP65
IK Rating	IK07
Operating temperature	from -40 to 60 °C
Color	Graphite black (RAL9011)