STANDALONE ACCESS CONTROLLERS
WITH BUILT-IN PROXIMITY READER AND KEYPAD
Proxy-KeyAV, Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH

EAC

Instruction Manual

1 DESCRIPTION

1.1 Purpose

1.1.1 Standalone access controllers with built-in proximity reader and keypad Proxy-KeyAV, Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH (hereinafter referred to as the controllers) are designed for entering PINs and reading unique codes of proximity cards.

1.1.2 The controllers are non-recoverable, periodically serviced equipment.

1.1.3 The controllers are not designed to be used in corrosive and dusty environments as well as in fire and explosion hazardous premises.

1.2 Specifications

Table 1.2.1

No.	Characteristic	Value
1.2.1	Power voltage	- 10 through 15 V dc
1.2.2	Average Consumed Current	- 200 mA
1.2.3	Power Input	- 1
1.2.4	Pre-operation Time	- 1 s
1.2.5	Credential Capacity	- 1000 ones
1.2.6	Password Capacity	- 8 ones
1.2.7	Relays	- 2
1.2.8	Relay Switched Voltage	- 24 V dc
1.2.9	Relay Switched Current	- 2 A
1.2.10	Ingress Protection Rating as per GOST 14254-2015	- IP65
1.2.11	Resistance to mechanical stress as per OST 25 1099-83	- Category 3
1.2.12	Vibration loads: - Frequency - Max acceleration	- 1-35 Hz; (for Category 3) - 0.5g (for Category 3)
1.2.13	Climatic Category as per OST 25 1099-83	- O3
1.2.14	Operating Temperature	- Minus 35 through +50°C
1.2.15	Relative Humidity	- 0 to 95%
1.2.16	Weight	- 0.5 kg
1.2.17	Overall Dimensions: Proxy-KeyAV, Proxy-KeyMV Proxy-KeyAH, Proxy-KeyMH	- 50.2 × 160.2 × 21 mm - 86.2 × 120.2 × 21 mm
1.2.18	Non-stop Operation	- 24/7
1.2.19	MTBF in quiescent mode	- 80000 hours
1.2.20	Non-failure Operation Probability	- 0.98758
1.2.21	Average Lifetime	- 8 years

1.2.22 The device meets the requirements of man-maid noise standards for the equipment of Class "Б" as per GOST R 51318.22.

1.2.23 As to immunity to man-maid radio disturbance the device meets the requirements of the third test level as per GOST R 50009.

1.3 Standard Delivery

1.3.1 Find the following unpacking the controller (see Table 1.3.1)

<div align="right">Table 1.3.1</div>

Item	Q-ty
Proxy-KeyAV (Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH)	1
Instruction Manual	1
Proximity card	1 pc.
Diode FR-107	1 pc.
Mounting bracket	1 pc.
Torx screw T10 for fastening on the bracket	1 pc.
Torx T10 wrench	1 pc.
Woodscrew and wall plug:	
Proxy-KeyAV, Proxy-KeyMV	2 pcs.
Proxy-KeyAV, Proxy-KeyMV	4 pcs.

2 OPERATING

Operating restrictions, structure, mounting, wiring, programming, testing operability and operation of the controller are described in its User's Manual which can be found online at bolid.ru in the section PRODUCTS at the page of Proxy-KeyAV (Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH).

3 MAINTENANCE

3.1 Maintenance works shall be carried out at by electricians with safety qualification level II or higher.

3.2 The controller is to be maintained according to a scheduled-preventive system which provides annual maintenance.

3.3 Maintenance works for the controller are described in its User's Manual which can be found online at **bolid.ru** in the section PRODUCTS at the page of Proxy-KeyAV (Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH).

4 REPAIR

4.1 Current repair of a defective product shall be carried out by the manufacturer or at authorized repair centers. The product shall be sent for repair in line with established procedures.

WARNING

The equipment shall be submitted for repair being assembled and clean along with all the parts listed in the documentation.

Claims are accepted if only a reclamation report describing the failure is applied.

4.2 A product's failure which resulted from consumer's not observing mounting or operation rules is not a reason for claims and warranty repair.

4.3 Claims shall be submitted to the following address:

NVP BOLID CJSC, 4 Pionerskaya Str., Korolyov city, Moscow region, 141070, Russia
Tel./Fax: **+7 (495) 775-71-55** (multiline). E-mail:info@bolid.ru.

4.4 In case of any issue related to operating the product, please contact with the technical support: +7 (495) 775-71-55 or e-mail: support@bolid.ru.

5   STORAGE

5.1 The controller in transportation packing can be stored at ambient temperatures minus 50 to +50 °C and relative humidity up to 95% at +35 °C.

5.2 The controller in the consumer packing shall be stored in heated warehouses at temperatures +5 to +40 °C and relative humidity up to 80% at +20 °C.

6   TRANSPORTATION

6.1 The devices can be transported in transportation packing at ambient temperatures minus 50 to +50°C and relative humidity up to 95% at +35°C.

7   DISPOSAL

7.1 While disposing the device please take into account that there are no toxic components within it.

7.2 Precious material content: not subject to inventory accounting in case of storage, disposal and recycling (Article 1.2 of GOST 2.608-78).

7.3 The content of non-ferrous metals: does not require accountability for retirement and further disposal.

8   MANUFACTURER WARRANTY

8.1 The manufacturer guarantees that the product meets technical requirements if the user follows the instructions for transportation, storage, installation, and usage.

8.2 Warranty period is 18 months since putting the controller into operation but no more than 24 months from the manufacturer's date of issue.

9   CONFORMITY CERTIFICATES

9.1 Proxy-KeyAV, Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH standalone access controllers with built-in proximity reader and keypad meet the requirements of Technical Regulations of Custom Union TR CU 020/2011 and approved by Conformity Certificate No. RU C-RU.ME61.B.01753.

9.2 Proxy-KeyAV, Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH standalone access controllers with built-in proximity reader and keypad are approved by the certificate of conformity of transportation security technical arrangement with their functional properties No. МВД РФ.03.000037 issued by Federal State Institution "Special Equipment and Communications" Scientific and Manufacturing Association of the Ministry of Internal Affairs of the Russian Federation.

9.3 The production of Proxy-KeyAV, Proxy-KeyAH, Proxy-KeyMV, Proxy-KeyMH standalone access controllers with built-in proximity reader and keypad is certified according to GOST ISO 9001-2015 by certificate No. ROSS RU.АБ66.К00003.

10 ACCEPTANCE AND PACKAGING CERTIFICATE

Product	Serial Number	Packager	Day, Month, Year
Proxy-KeyAV			
Proxy-KeyAH			
Proxy-KeyMV			
Proxy-KeyMH			

Is manufactured, accepted in accordance with mandatory requirements of state standards and actual technical documentation, approved as ready for operation, and packaged by CJSC NVP Bolid.

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