30.08.2017

PROMIX ENGINEERING TECHNICAL CENTER

SHERIFF-9.1

ELECTROMAGNETIC LOCK

OPERATING MANUAL

TU 3428 – 003 – 80210527 – 14

Production date:

Design: ☐ basic

☐ -01 ☐ -02 ☐ -03 ☐ -04

1. APPLICATION

Electromagnetic lock "Sheriff-9.1" is applied universally. Due to its miniature sizes, the lock may be used to restrict access to:

- cell lockers, built-in cupboards, file cabinets, etc.;
- refrigerated cabinets, chests, cigarette cabinets and other retail furniture;
- cabinets for storing medicines and chemicals;
- ATM, self-service terminals, vending machines;
- electrical cabinets and control cabinets, process equipment;
- elevators, gateways, etc.

The lock may be open when then the power supply is on, by the controllers of access control systems, audio and video door phones, code access panels, regular push button or switch.

2. OPERATING CONDITIONS

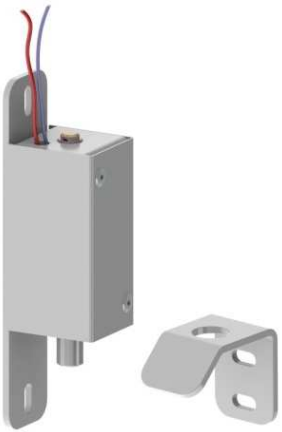
Climatic operating conditions:

- ambient air temperature: see Para. 4;
- relative air humidity not more than 95% at +35°C and with lower temperatures **without condensation and frost formation;**
- installing indoors and outdoors in the place protected from the direct moisture ingress, dust and dirt into the lock;
- resistance to the environmental exposure complies with GOST 15150-69:UHL2.

3. DELIVERY SET

1 –Electromagnetic lock	1 pc.
2 – Deadbolt	1 pc.
3 – Screw 3,5x16	4 pcs.
4 – Operating manual	1 pc.

Check completeness of the delivery set while purchasing. Subsequently, the company-manufacturer does not accept any claims over completeness of the delivery set.



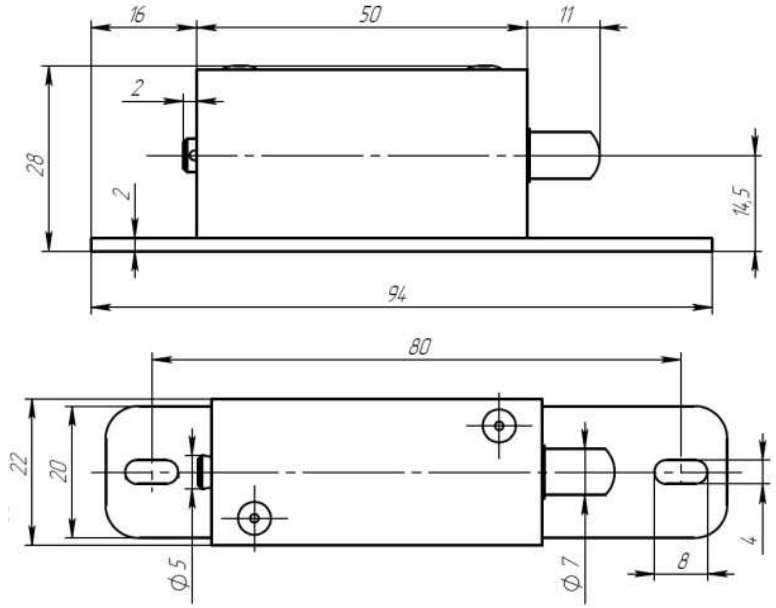
4. TECHNICAL SPECIFICATIONS

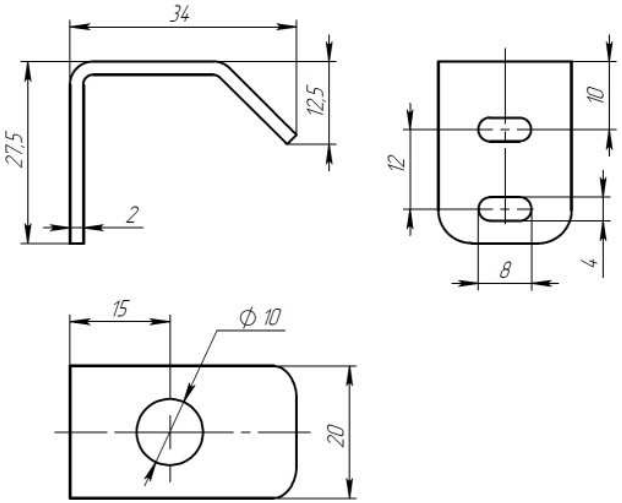
Design	Operating position	DC voltage supply, V	Current consumption, A
basic (serial)	↔ (horizontally) ↕ (vertically)	10÷14	0.65 (12V)
-01*	↔ (horizontally) ↕ (vertically, armature plate up)	11÷14	0.28 (12V)
-02*	↔ (horizontally) ↕ (vertically, armature plate down)	11÷14	0.28 (12V)
-03*	↔ (horizontally) ↕ (vertically, armature plate up)	22÷26	0.24 (24V)
-04*	↔ (horizontally) ↕ (vertically, armature plate down)	22÷26	0.24 (24V)

Design	Ambient air temperature $T_{amb.}$, °C	Voltage supply pulse duration T_{pd}, sec	A pause between voltage supply pulses, sec
basic (serial)	from -40 to +35	0.5÷60	$6xT_{pd}$ (at least)
	from +35 to +50		$10xT_{pd}$ (at least)
-01*	from -40 to +35	not regulated	
	from +35 to +50	0.5÷120	$0.5xT_{pd}$ (at least)
-02*	from -40 to +35	not regulated	
	from +35 to +50	0.5÷120	$0.5xT_{pd}$ (at least)
-03*	from -40 to +30	not regulated	
	from +30 to +50	0.5÷120	$0.5xT_{pd}$ (at least)
-04*	from -40 to +30	not regulated	
	from +30 to +50	0.5÷120	$0.5xT_{pd}$ (at least)

*on request

5. DESIGN AND OPERATING PRINCIPLE





When the door is closing, the deadbolt presses the armature plate and is locked by the armature plate in the cavity. When the voltage supply pulse is applied, the armature plate moves to the opposite side and comes out from the deadbolt cavity, releasing the deadbolt.

Electromagnetic lock "Sheriff-9.1" has an emergency opening device, it is the nylon line assembled with the lock. For emergency opening it is necessary to pull the line - the armature plate is drawn into the lock case.

6. INSTALLATION AND WIRING

ATENTION!!! The possibility to use this lock and the place of mounting the lock is determined by the installer company based on the characteristics of the design and the method of installation, the level of premise accountability, assignment of access restriction and other factors (security, CCTV, etc.).

The lock operates when applying and interrupting the voltage supply, and for it is usually used a controller (control board) or a switch (button). Controller installation is done according to the technical data sheet.

Attention: operating voltage supply range of the lock, see Para.4.

The polarity of the voltage does not influence the operability of the lock.

Avoid the heightened voltage supply, because the lock can be damaged due to overheating!

Provide reliable electrical contact. Isolate the connection points to avoid short-circuiting.

7. MAINTENANCE

Maintenance of the lock is performed at least once per two months and includes:

- examination of the lock to check fixation reliability. If it is necessary, tighten up fixing elements of the lock and the deadbolt.

8. MANUFACTURER'S WARRANTY

Engineering & Technical Center PROMIX, LLC guarantees the conformity of the electromagnetic lock "Sheriff-9.1" to the requirements of applicable TU standards under the regulations of operation and installation established in this operating manual. The warranty period is 18 months commencing from the date of acceptance by Quality Control Department.

Within the warranty period, Engineering & Technical Center PROMIX, LLC undertakes to repair the defective product free of charge. The shipping cost to the place of repair and back shall be borne by the Buyer.

The warranty shall not cover defects or damages, resulting from:

- improper maintenance by the Buyer;
- using the lock in conditions that do not conform to the operating requirements;
- mechanical damages or disassembly of the lock by the Buyer;
- violation of transportation and storage regulations.

PACKING AND ACCEPTANCE CERTIFICATE

Electromagnetic lock "Sheriff-9.1" with the specified date of manufacture is made and accepted in accordance with TU 3428–003–80210527–14, obligatory requirements of state standards and applicable technical documents, found fit for service and packed by Engineering & Technical Center PROMIX, LLC.

QCD seal

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Please send us all your comments and suggestions concerning our products via e-mail: mail@itc-promix.ru.
Thank you in advance!