CONTROL PANEL

Slidetronic compact

Producer: **Somati system s.r.o.**
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Primarily designed for control of gravity fire gates produced by Somati system s.r.o. The panel can be also used for control of hinged fire doors with electromagnet or electromagnetic brake and door closers.

1. CONTROL PANEL SLIDETRONIC COMPACT

Somati system s.r.o., Jihlavská 510/2c, 664 41 Troubsko
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2. DESCRIPTION

The Slidetronic compact projects solves control of the magnet (s)/ brake (s) of the fire doors or gates.

3. INSTALLATION AND SETTING

Before the initial startup, the mechanical part of the gate assembly must be fully completed to avoid mechanical damage of the gate when magnet/brake is released.
Before first activation connect only:

- power cable
- cable of magnet/brake
- connect the terminals FAS (IN / +) NC contact (when the contact is disconnected, the panel is still in alarm)
- check if the resistance 4,7 kΩ is connected to the terminals D+/D- (if the resistance is not connected, the panel is still in alarm)

Control panel Slidetronic compact is standardly equipped with a front panel with one universal START / RESET button.

When opening the control panel, be careful not to damage the printed cable between the keyboard and printed circuit board.
When activating FAS – by disconnecting contact IN / + the control panel is in alarm. In case of re-connecting the contacts, the panel is automatically in standby mode.

IF ANY FUSES IN THE CONTROL PANEL ARE BLOWN, THEY CAN BE REPLACED ONLY ONCE. IF THEY ARE BLOWN AGAIN, THEIR REPLACEMENT IS STRICTLY FORBIDDEN

IF THE PROCEDURE STATED IN THE TECHNICAL DOCUMENTATION IS NOT RESPECTED, IT MAY LEAD TO THE LOSS OF WARRANTY

IN THE EVENT OF MALFUNCTION, AT FIRST, IT IS NECESSARY TO DETECT THE POSSIBLE CAUSE OF THE MALFUNCTION AND REPAIR IT. AFTER THE MALFUNCTION IS REPAIRED, IT IS POSSIBLE TO REPLACE THE BLOWN FUSE

IT IS FORBIDDEN TO MANIPULATE WITH THE CIRCUITS OF THE CONTROL AND CHANGE THEIR CONNECTIONS. IF THIS CONDITION IS VIOLATED, IT IS NO LONGER POSSIBLE TO APPLY THE CONTROL WARRANTY

CONTROL PANEL MUST NOT OPEN A PERSON WITHOUT RELEVANT EDUCATION AND QUALIFICATION ACCORDING TO THE DECREE Nr. 50/1978, § 6.

The operating temperature of Slidetronic compact is +10 °C to +35 °C. If the ambient temperature falls below +10 °C or exceeds +35 °C, the control must not be operated!

In exceptional cases, the Slidetronic compact control can be operated even at lower temperatures up to max. -5 °C, but with the permanent connection of the input power supply which ensures minimum heating of the control circuits.

4. CONTROL PANEL Slidetronic compact – CONTROL DESCRIPTION

Control panel is equipped with a universal START / RESET button.

In the normal state (if the control is not in alarm) by pressing the START button, the output power supply of magnet unblocks (disconnecting the power supply on the terminals M+, M-), press the START button again to reactivate the magnet output (the output M+, M- will again supply voltage 24V). This function START-STOP is used in combination with the electromagnetic brake and gravity closing system of gates Somati system to unblock the gate in any position – correct mechanical assembly of electromagnetic brake is essential, see the gate installation manual.
If the START button is activated, a fixed time of 130 seconds will start, after which the magnet output will be reactivated automatically (the output M+,M- will again supply voltage 24V) – this time can be shortened by pressing the START button again, see above.

START-RESET button can be used to RESET the control even if the control is not in alarm. This reset is activated by holding the button for 5 seconds.
The function RESET is used to reset the alarm triggered by local detectors.
If the alarm is triggered by the local detectors (by disconnecting input D+, D-, the red LED blinks 1x briefly), the reset is activated by briefly pressing the universal START-RESET button. If the control returns to the alarm again after the reset, it is necessary to check the local detectors. If the detectors stay in permanent alarm, they must be cleaned or replaced.
If the alarm is triggered by activating the FAS (by disconnecting input IN, +, the red LED blinks 2x briefly) it is necessary to cancel the FAS alarm (by connecting the input IN, +).
If the alarm is triggered simultaneously by the local detectors and the activation of FAS input, the red LED blinks successively 1x briefly and 2x briefly.

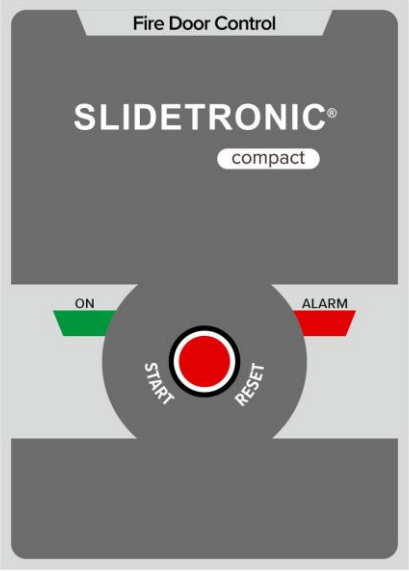
Red LED - ALARM

- Light ON = failure
- Blinks 1x briefly = alarm of local detectors
- Blinks 2x briefly = alarm of FAS activation

In case of activation of both alarms, both states are displayed in sequence, ie. 1x blink – pause – 2x blinks.

Green LED - ON

- Light ON = gate is not moving (the output power supply of magnet is active)
- Blinks = gate closes (the output power supply of magnet is disconnected)
- Light OFF = no 230V power supply, device is not in operation



5. DESCRIPTION OF INTERNAL TERMINAL

Inputs:

L,N: power supply 230V/50Hz

IN,+: FAS – potential-free contact disconnecting (NC)

D+,D-: local detectors, closed loop 4,7 kΩ

D–: detectors 0 V

D+: detectors +24V

Outputs:

S+,S-: power supply of warning light – active if alarm (max. 0,5 A)

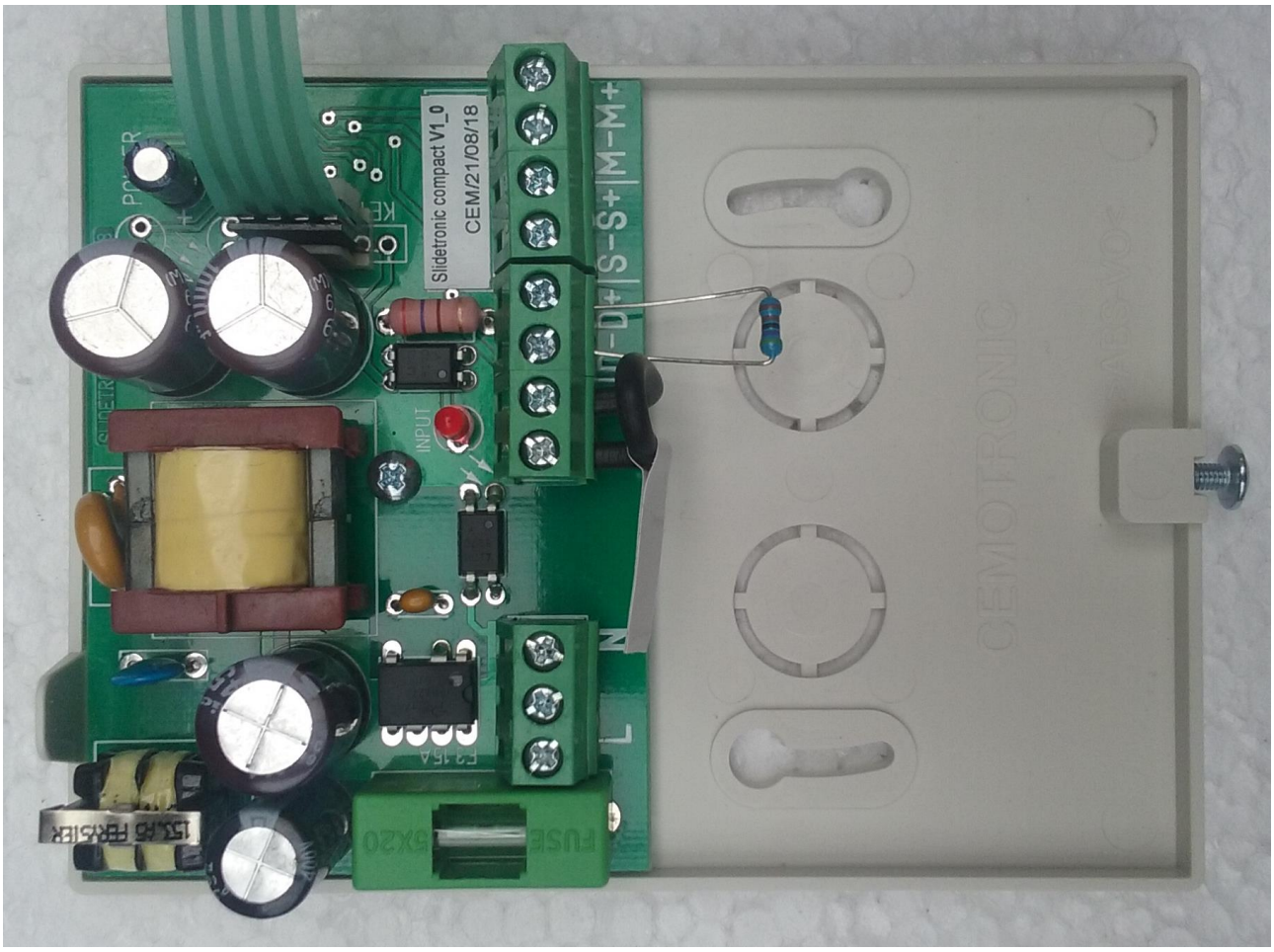
S–: warning light 0 V

S+: warning light +24V

M+,M-: power supply magnet/ brake (max. 0,5 A)

M–: magnet 0 V

M+: magnet +24V



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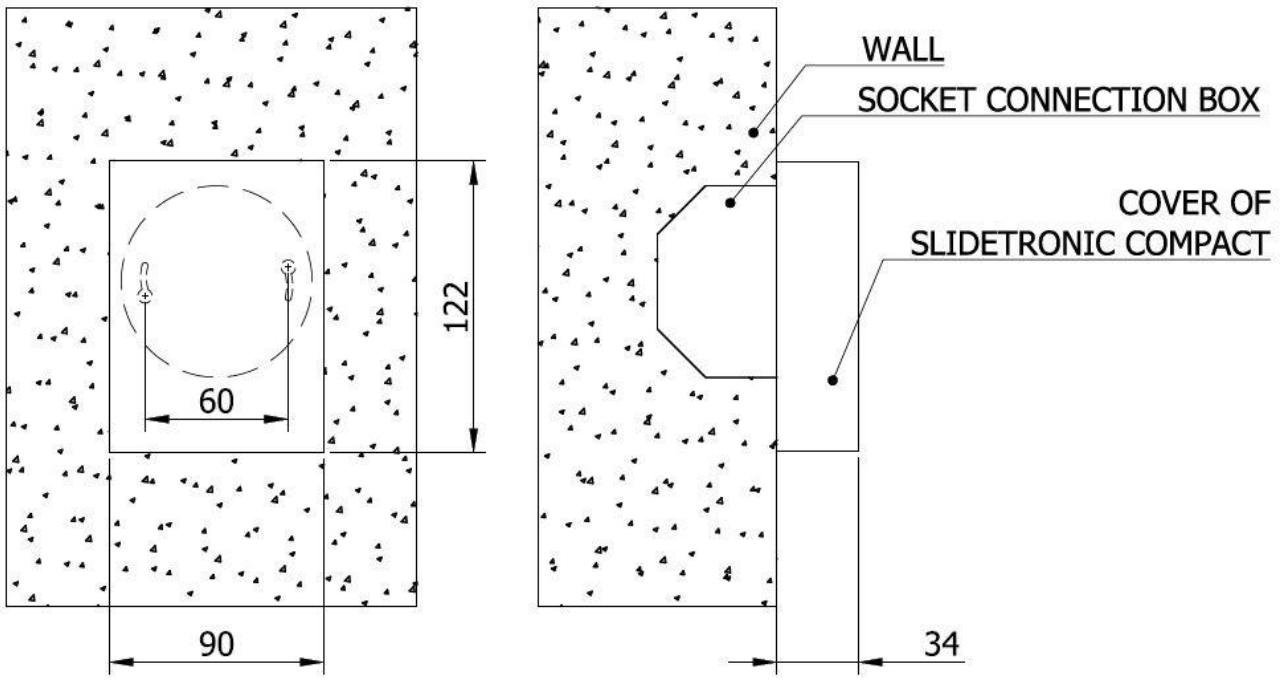
6. INSTALLATION DIMENSIONS



7. RECOMMENDED EXTERNAL DEVICES

- warning light SAK7 (flash + siren) FLASHNI mark., FL/RL/T/D, 24 V DC, 1 W
- electromagnetic brake LINNIG SB 3.3.0, 24 V DC, 2,2 W
- electromagnet MEC@Fire M05411D, 24 V DC, 1,6 W
- detector base SS with the resistor 4700 Ohm mark. B401R, smoke detector mark.2351E, or heat detector 58 °C mark.5351E, SYSTEM SENZOR. The recommended number of detectors is max. 6ks per Slidetronic compact control. If more than 6 detectors is required, consult with manufacturer.

8. ELECTRICAL AND DIMENSION DATA

Power supply	230 V/50 Hz
Input	10 VA
Output - brake max.	24 V/0,5 A (in the short-term to 0,8A)
Output - warning light max.	24 V/0,5 A (in the short-term to 0,8A)
Output - detectors	24 V (balanced loop 4,7 kΩ +/-20%)
Protection	IP 20
Dimensions	H: 122mm;W: 90mm;D: 34mm (self-extinguishing cover ABS)
Operating temperature	-15 to +35 °C

Mounting on standard wall box.

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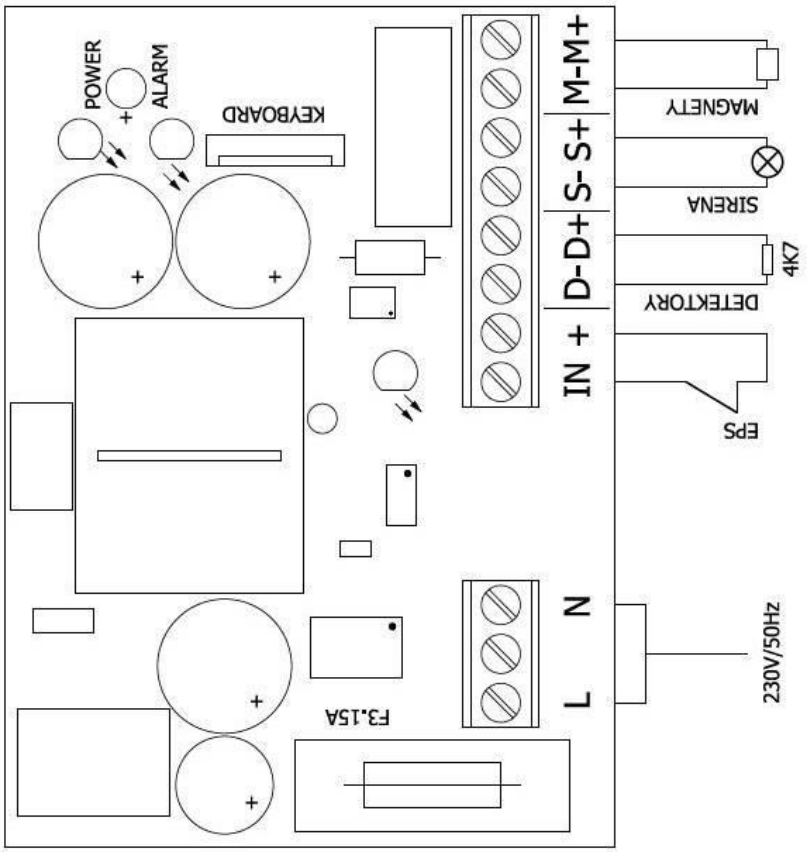
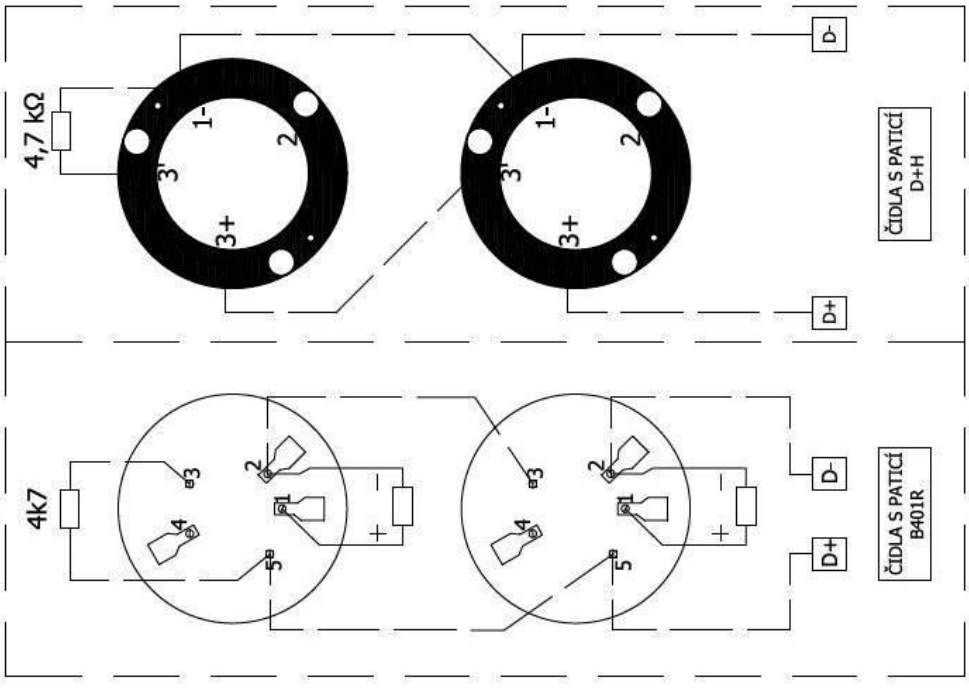
9. DIAGRAM





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