



Control and Annunciator Panels

Alarm System Logica

Series LQ1



Series LQ1

Technical features

Power supply: 24 Vcd (10 to 28) - 200 mA
Positive Common (except external lamps)
36 Vcd (30 to 38) - 200 mA
Positive Common (except external lamps)

Outputs: NPN type, 100 mA (horns 250 mA)



Inputs: Input contacts must close to Negative (internal pull-up to +24 Voc. R=2.400 Ohm)

Dimensions: 160x90 mm (9 modules) h=68 mm.
Fastening do DIN EN 50022 guides according to DIN 43880 standards.

A flexible alarm annunciator that offers a perfect solution with any alarm system requirement.

Since Annunciators are used to monitor critical plants, it is essential that the unit provides the highest reliability possible.

ISA sequences:

ISA-1	ISA-2B
ISA-1A	ISA-2C
ISA-1B	ISA-2D
ISA-1C	ISA-2C with first out
ISA-2A	ISA-4A

- n.18** Signalling lamp
- n.18** Alarm inputs
- n.4** Pushbutton: Lamp Test, ACK, Sequence test, reset
- n.2** External horns

The SQ-1 Logica works latching in alarms and driving repeat relays, with the drive to the lamps horn and pushbutton inputs enabled.

The SQ-1 Logica can be panel mounted on DIN rail bars.

A system can be created to link two or more SQ-1 Logica together as repeat or grouped displays.



Positive Common by default.

Compliance:

Directive 2006/95/EC Low Voltage
Directive 2004/108/EC Electromagnetic Compatibility
Directive 2011/65/EC RhOS
Directive 2006/42/EC Machinery

Conformity to standards:

EN 60947.5.1 / EN 60073 / EN 60529 / EN 60068-2-6 / EN 60204.1 / EN ISO 7731 / EN 981 / IEC 536

Customs tariff: **85389091**

DOMO reserves the right to change, amend, modify, suspend, continue or terminate all or any part of the Product range either in an individual case or in general, at any time without notice.

SQ-1
Weight 330g



Power supply

24V
36V

SQ-1 024
SQ-1 036

Instructions

Normal work

“Work” LED always lit up means normal work.

The LEDs from 1 to 17 display the status of the outputs.

By keeping “<” pressed, the LEDs show the status of the inputs (monitor).

By keeping “>” pressed the LEDs show the type of the inputs
(short flash = NO, long flash = NC).

By keeping “Set” pressed down, the LEDs show the type of sequence programmed.

Programming

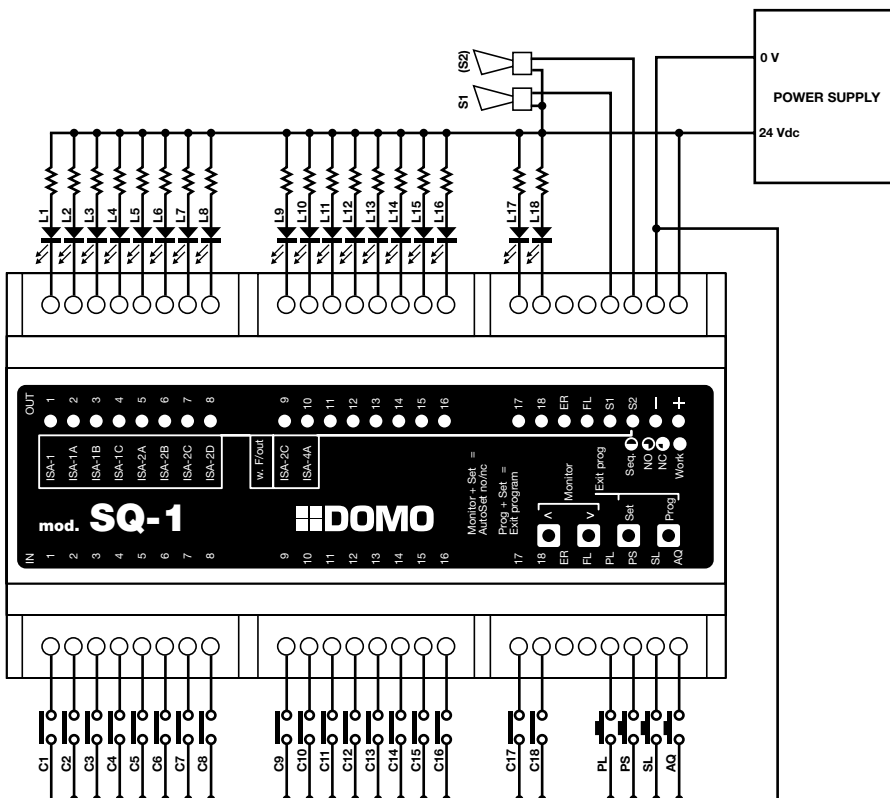
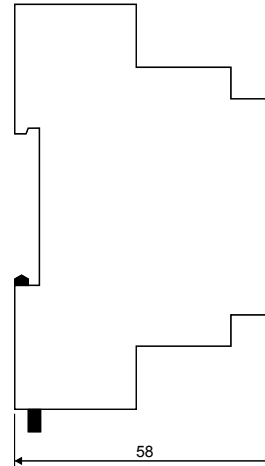
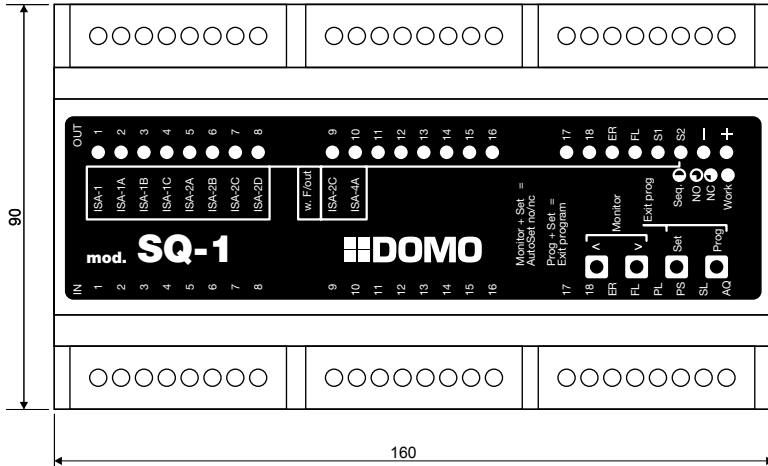
- 1 Keep the “Prog” key pressed 3 seconds long. The Seq LED will start flashing. LEDs from 1 to 10 will display the type of sequence selected. Use “<” or “>” to change the selected sequence.
- 2 Press the “Prog” key again. The NO/NC LED will flash quickly. LEDs from 1 to 10 will flash showing the selected input and its type: a short flash means NO (normally open) contact, a long flash means NC (normally closed) contact.
To select different inputs press “<” or “>”. To change the type of the input to the selected one press “Set”.
In order to display all the input types, keep pressed either “<” or “>”.
By keeping pressed either “<” or “>” together with the “Set” key, all the inputs will be programmed automatically according to the signal currently applied to each input (the signal applied in that moment will be considered normal).
Pressing “Prog” again brings back to step 1.
- 3 In order to end programming and save the configuration, keep “Prog” pressed by pressing “Set”.

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Dimensions and wiring

SQ-1

Dimensions mm 1:2



Legend

- L1 ... L18** Signalling lamps 24 Vcc
- C1 ... C18** Alarm inputs
- PL** Lamp Test
- PS** Sequence Test
- SL** Reset
- AQ** Acknowledgment

- ISA RP181 ISA S18.1
- ISA-1 ISA-A
- ISA-1A ISA-A5
- ISA-1B ISA-A4
- ISA-1C ISA-A4-5
- ISA-2A ISA-R8
- ISA-2B ISA-R11
- ISA-2C ISA-M
- ISA-2D ISA-M5
- ISA-4A ISA-F1A