Lunatone

DALI SI

Datasheet

Sensor Interface

DALI module for the integration of sensors with relay output in DALI systems

Art. Nr. 89453850
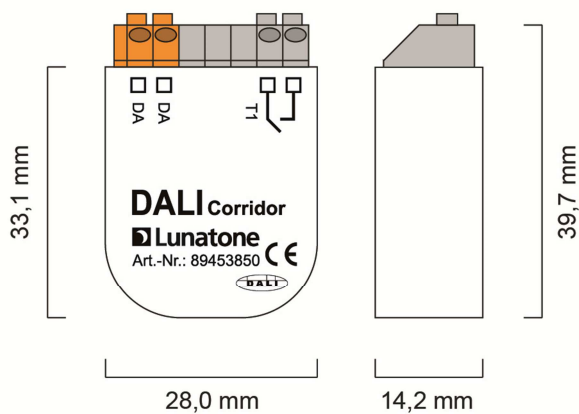
Art. Nr. 89453850-1L

DALI SI Sensor Interface

Overview

- Module with switching input
- Easy integration of occupancy and movement sensors, contact switches, photoelectric barrier sensors etc.
- same behaviour as DALI CS
- types with input for potential free contact and input for mains voltage available
- multiple trigger sources due to simple external interconnection
- configurable schedule (light levels and hold times)
- configuration with DALI-Cockpit software
- multiple DALI SI and DALI CS modules can be installed on the same DALI-line and be used to control the same target range
- device is supplied directly by the DALI-line
- the compact device is suitable for back box installation

Specification, Characteristics

type	DALI SI	DALI SI 1L
article number	89453850	89453850-1L

electrical data:

supply	via DALI-line	
typ. current consumption	2.9mA	
output	DALI	
control input	1 switching input for potential free contact	1 switching input for mains
galvanic isolation switching input/DALI	No	Yes

technical data:

behaviour on input action	schedule, level and hold times configurable	
storing and transportation temperature	-20°C…+75°C	
operational ambient temperature	-20°C…+75°C	
connecting wire cross section	< 1.5 mm^2	
max. length of connecting wire	50 cm	up to 50m
protection class	IP20	
dimensions	40mm x 28mm x 14mm	59mm x 33mm x 15mm
mounting	back box	

Dimensions&Connection:

DALI Corridor
Lunatone CE
Art.-Nr.: 89453850
DALI

33,1 mm

39,7 mm

28,0 mm

14,2 mm

dimensions DALI SI

connection plan DALI SI

DALI SI1L
Lunatone CE
Art.-Nr.: 89453850-1L
DALI

L'

sensor input
Un=230VAC

N

DA

tc = 75°C

58,5 mm

32,5 mm

15 mm
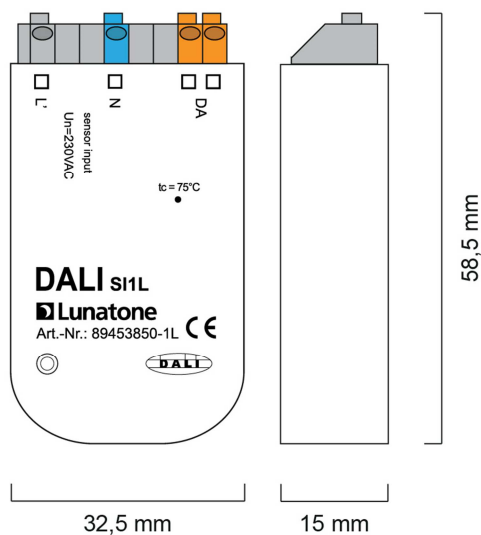
dimensions DALI SI 1L

connection plan DALI SI 1L

typical structure

L N

DALI PS — DALI

EB ⊗ .... EB ⊗

switched
mains voltage *

DA DA

L'

DALI SI1L

N

potential free
contact *

T1 DA DA

DALI SI

COM
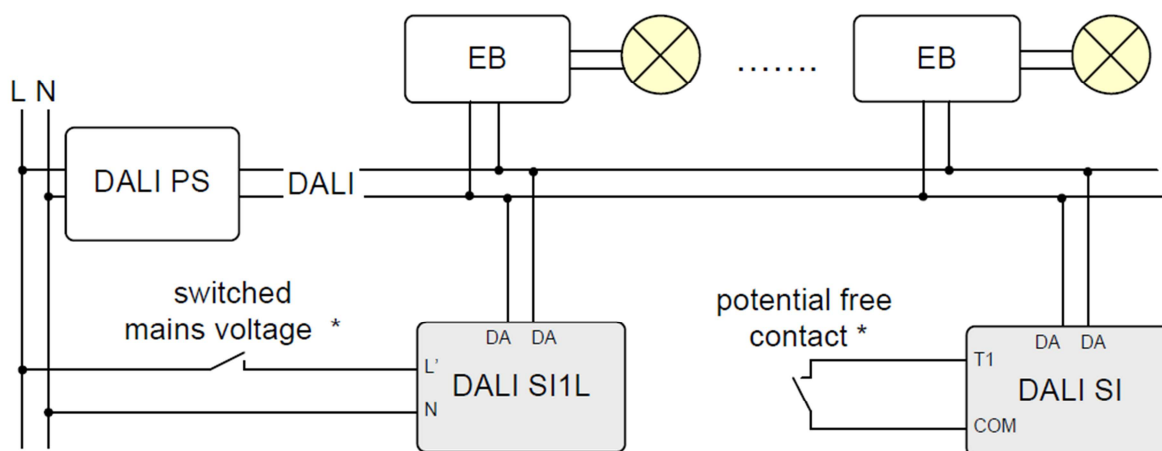
* typical devices with switching contact: light barrier, motion sensor, relay, switch

Installation

- the DALI SI is suppled directly by the DALI-line (typ. current consumption: 2.9mA)
- the connection to the DALI-line is polarity-free
- the connection to the DALI-line is protected against overvoltage
- suitable for back box installation
- type dependent: input for potential free contact (DALI SI) or switching input for mains voltage (DALI SI1L)

Funktion

- configuration with DALI-Cockpit software
- configurable schedule (light level, hold time, fading)
- The schedule is (re-)triggered by actions on the sensor input
- the target range can be controlled by multiple DALI SI and DALI CS modules (devices are synchronized automatically)

schedule settings:
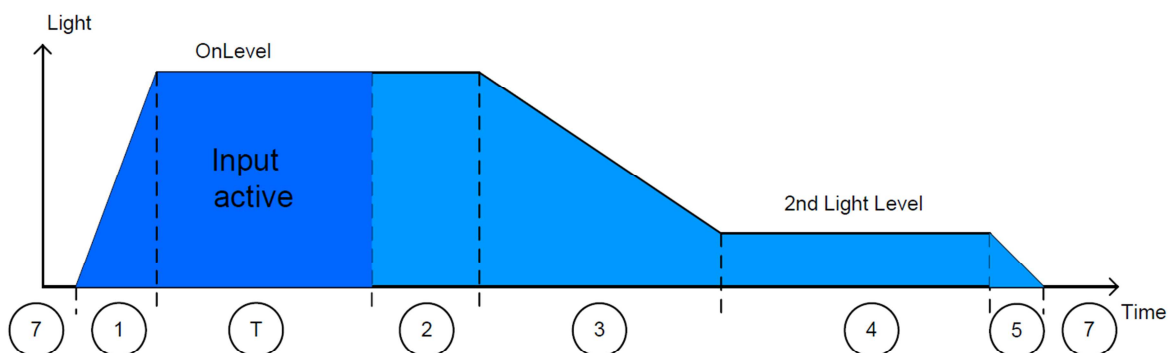
1: On Fade Time
2: Run on Delay (OnLevel)
3: 2nd Level Fade Time
4: Switch Off Delay (2nd Lightlevel)
5: Fade Out Time
6: Dead Time Delay (WalkOutTime after Manual Off)
7: Off-State
T: Input active (OnLevel)

Hint: Identical commands will be sent to all destination addresses.

Purchase Order Information

Art.Nr. 89453850: DALI SI, sensor interface with potential free switching input, back box

Art.Nr. 89453850-1L: DALI SI 1L, sensor interface with switching input for mains voltage, galvanic isolation, back box

Additional Information and Equipment

DALI-Cockpit – free configuration tool from Lunatone for DALI systems
http://lunatone.at/en/downloads/Lunatone_DALI-Cockpit.zip

Lunatone DALI products
http://www.lunatone.at/en/

Lunatone datasheets and manuals
http://lunatone.at/en/downloads/

Contact

Technical Support: support@lunatone.com

Requests: sales@lunatone.com

www.lunatone.com

Disclaimer

Subject to change. Information provided without guarantee. The datasheet refers to the current delivery.

The compatibility with other devices must be tested in advance to the installation.