

DALI RM

DALI control module for 1 relays

Product description

- Control of one standard contactor
- 5-year guarantee

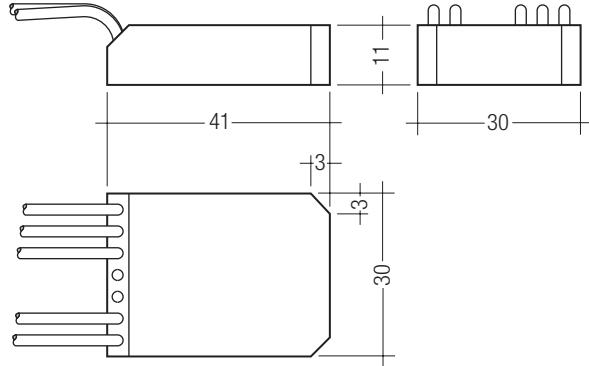
**Wiring diagrams and installation examples**, page 4

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Technical data

| | |
|------------------------|--------------|
| Ambient temperature ta | 0 ... +50 °C |
| Type of protection | IP20 |

**Ordering data**

| Type | Article number | Packaging, carton | Weight per pc. |
|---------|----------------|-------------------|----------------|
| DALI-RM | 24034702 | 1 pc(s). | 0.087 kg |

Specific technical data

| Type | Inputs | | | Output, relay | | |
|---------|--------------------|-----------------|--------------------------|---------------------------|---------------------------|-----------------|
| | DALI control input | Current draw | Number of DALI addresses | Max. switching voltage AC | Max. switching voltage DC | Type of contact |
| DALI-RM | 1 | 12 mA from DALI | 1 | 250 V | 35 V | 1 changeover |

1. Standards

1.1 DALI standard

The DALI RM is designed to control control gear with DALI standard IEC 60929 (DALI V0).

1.2 Glow-wire test

according to EN 60598-1 passed.

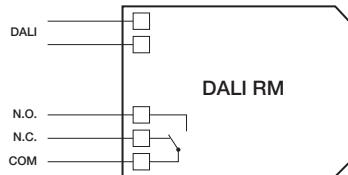
2. Common

- Compact relay module for controlling a standard contactor via DALI.
- Loads that do not have a DALI input can therefore be integrated in the DALI circuit. The loads can be switched on and off via DALI.
- “masterCONFIGURATOR” software is available free of charge at www.tridonic.com for programming the switch-on and switch-off points.
- “MIN LEVEL”: Sets switch off level
- “MAX LEVEL”: Sets switch on level
- Factory preset:
“MIN LEVEL” = 0 → OFF
“MAX LEVEL” = 100 → ON

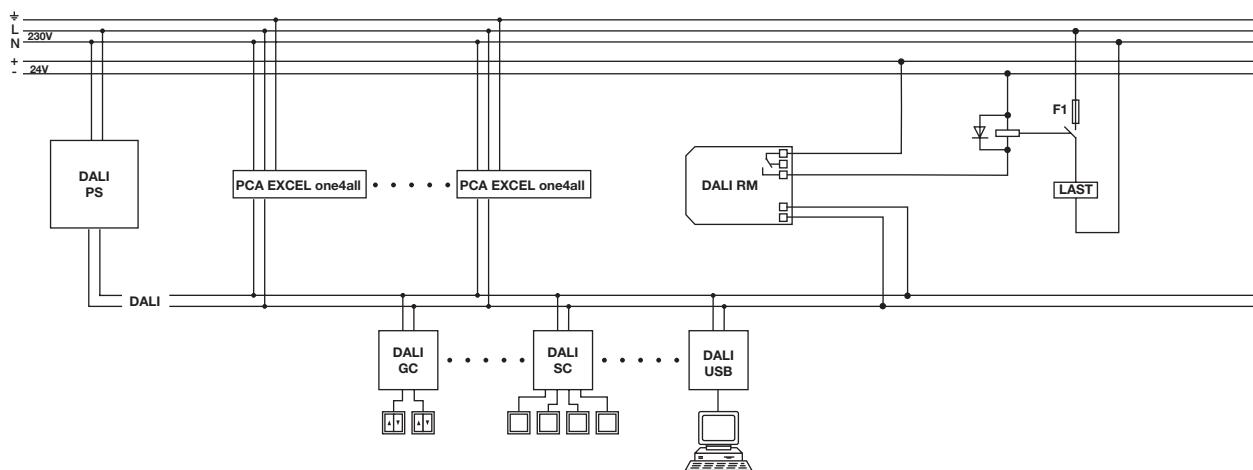
3. Installation

- Loads must not be connected directly to the DALI RM. The load must always be switched via an external contactor.
- The maximum load that can be connected to the DALI RM is the load of a contactor coil.
- When selecting the correct contactor please check the inrush currents of the switched loads. Electronic ballasts may have very high inrush currents. Check with the contactor manufacturer.
- If DC contactor coils are controlled, they must be equipped with an appropriate free-wheeling diode.
- Relay switches on when ACTUAL LEVEL is above the MAX-LEVEL.
- Relay switches off when ACTUAL LEVEL is below the MIN-LEVEL.
- The DALI RM is powered directly by the DALI line, hence in case of missing supply the relay-contact opens. Therefore the SYSTEM FAILURE LEVEL is meaningless.
- It is not possible to receive information about the state of the loads. Hence error messages do not make sense in this application and QUERY LAMP FAILURE will always send NO as an answer. The QUERY STATUS bits 0&1 are not implemented.
- The physical selection method is not implemented.
- When storing a scene level, besides the ACTUAL LEVEL, the relay state will be stored as well. When storing scenes it is important that the relay is in the required state.
- This is not a separate unit, it is intended for installation.
- DALI is not SELV. The installation instructions for low voltage therefore apply.

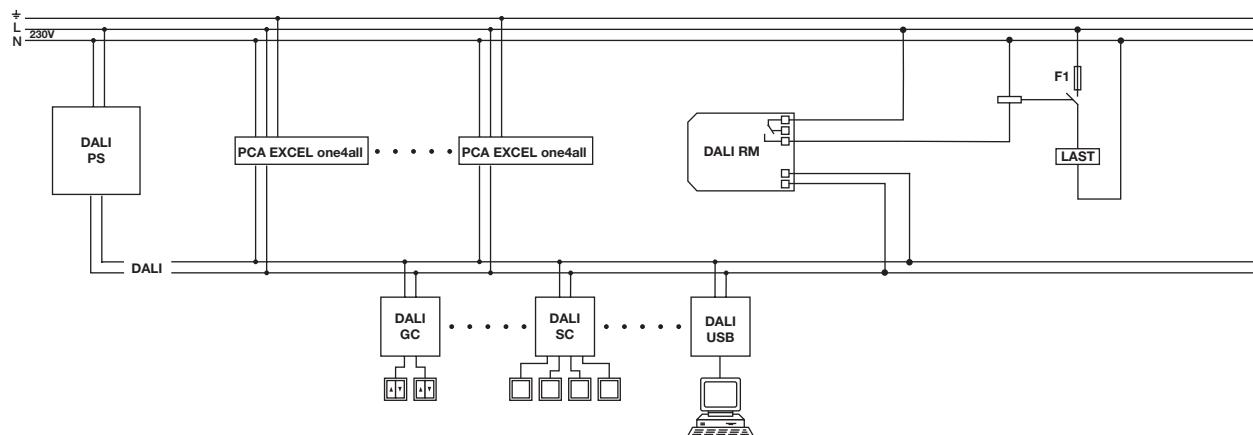
3.1 Connection diagram



3.2 Switching of 12/24 VDC contactor coils



3.3 Switching of 230 VAC contactor coils



4. Miscellaneous

4.1 Additional information

Additional technical information at www.tridonic.com → Technical Data

Guarantee conditions at www.tridonic.com → Services

Life-time declarations are informative and represent no warranty claim.
No warranty if device was opened.