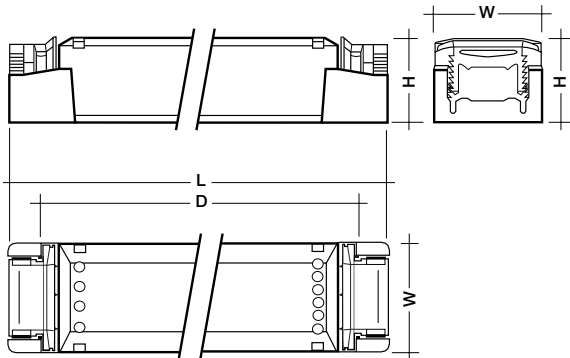


**DALI 3-RM-C**  
comfortDIM



**Function:**

- DALI controller for controlling up to three standard 24 VDC contactors
- Can also be used for status display purposes; via 24 V signal lamps
- Each output can be controlled separately

**Properties:**

- Three independent short DALI addresses with a DALI power consumption of 2 mA
- Short-circuit shutdown feature with automatic restart
- DC supply possible
- Constant output voltage

- Strain relief and terminal cover
- Captive screw terminal
- Maximum cable cross-section 2.5 mm<sup>2</sup>
- Protection class 2

**Assembly/installation:**

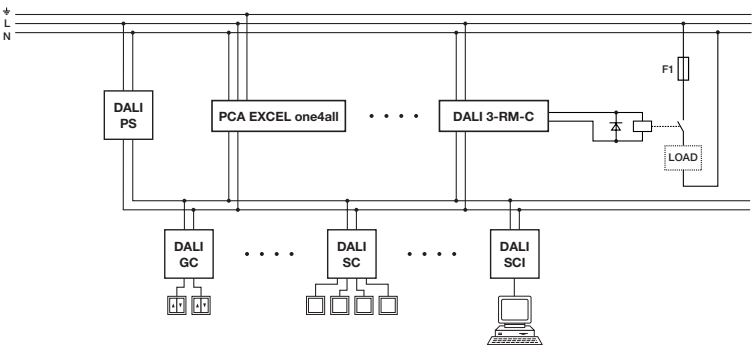
- The DALI 3-RM-C is connected to the DALI bus and to the mains supply.
- The contactor coils must be equipped with an appropriate threshold diode.
- 24 V signal lamps can be connected directly.
- DALI is not SELV. The installation instructions for low voltage therefore apply.

**Designed according to:**

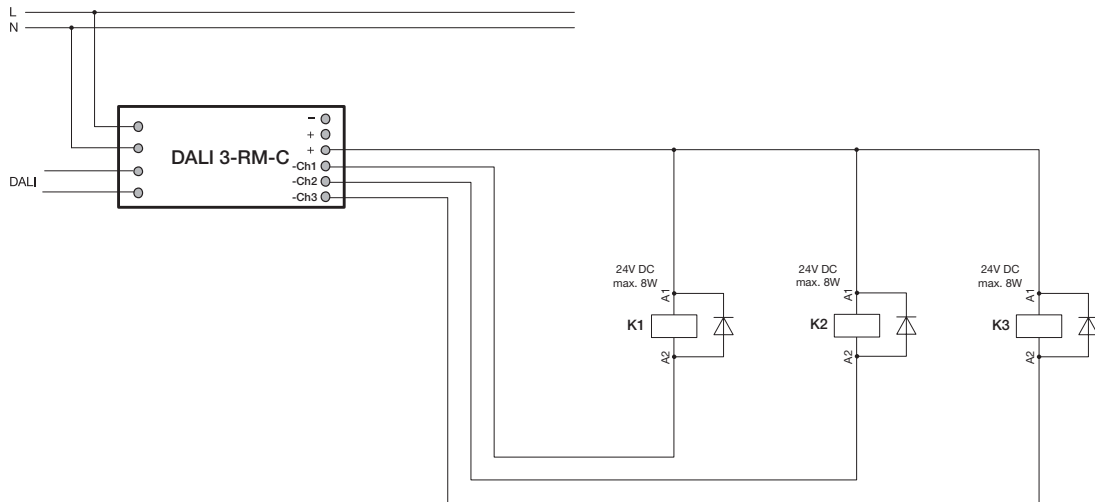
- EN 61558-2-17
- EN 61547
- EN 55015
- EN 61000-3-2

Type		DALI-3-RM-C	
Article number:		86458247	
Power supply:	Input voltage range	V AC	198–254
	Input voltage range	V DC	200–240 (160 ①)
	Rated current at 230 V 50 Hz	A	0.13
	Rated frequency	Hz	0/50/60
Input:	–	–	DALI signal
	Current input	mA	2
	DALI short addresses	–	3
Output:	Secondary voltage	V DC	24
	Power output	W	25
Temperature:	Ambient temperature ta	°C	-25 to +45
	Max. casing temperature tc	°C	70
Weight	–	kg	0.15
Dimensions LxWxH	–	mm	167 x 42 x 31
Fixing centres (D)	–	mm	143–148

① After power up with higher voltage, the device will work with a reduced voltage as specified above.

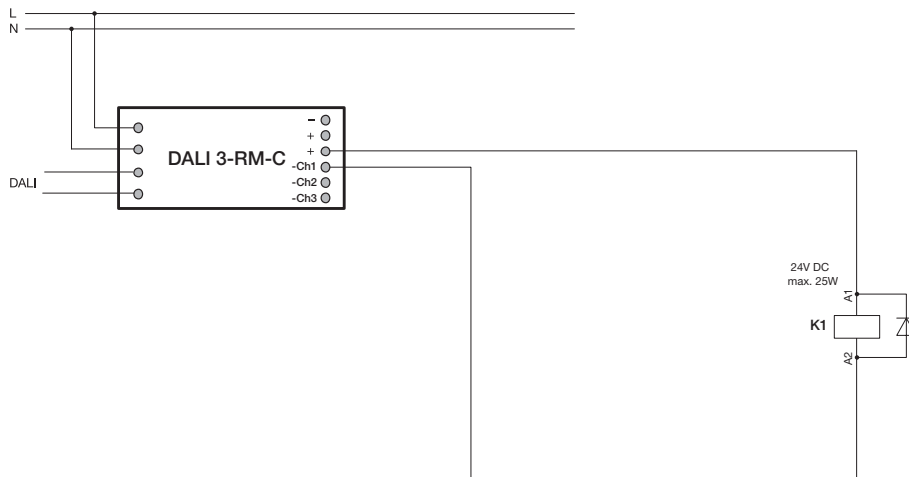


Circuit diagram for three contactors with a maximum power of 8 W



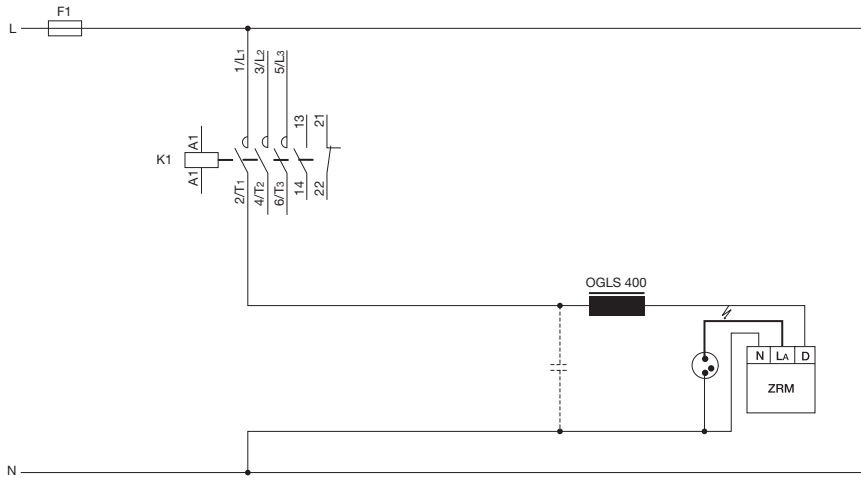
The contactors must be equipped with an appropriate threshold diode. Operation without a threshold diode is not permitted.  
The controller is designed for a maximum load of 25 W. This load can be split among the three channels. The loads may be distributed asymmetrically.

Circuit diagram for one contactor with a maximum power of 25 W



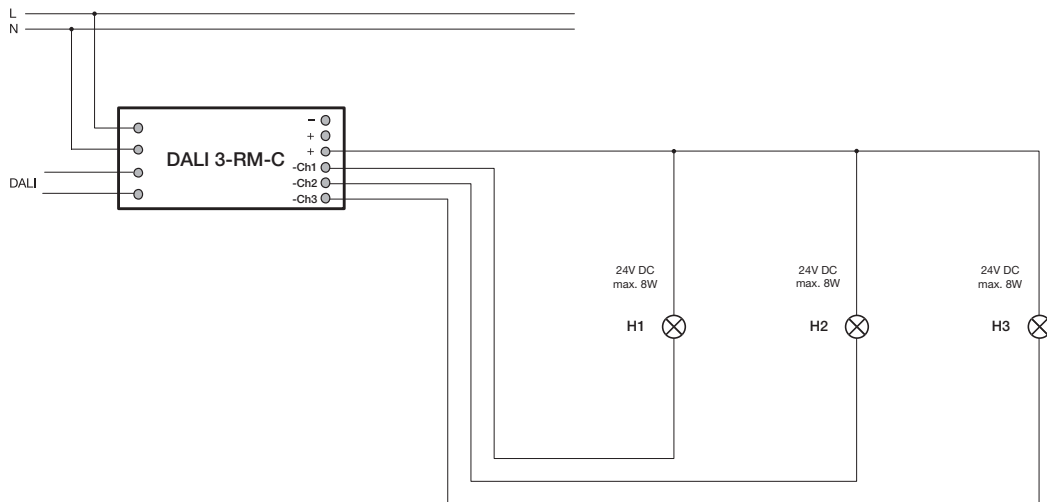
Outputs Ch1 and Ch3 may not be short-circuited. The entire output may flow via one output.

### Example of a main circuit



Please check the inrush currents of the switched loads. Electronic control gear may have very high inrush currents. Check with the contactor manufacturer.

### Circuit diagram for three 24 V signal lamps



Signal lamps can be connected directly. The controller is designed for a maximum load of 25 W. This load can be split among the three channels. The loads may be distributed asymmetrically.