

# LED DALI Signal Repeater - User Manual



Item no.: LC-004-700

## 1. Product Description

The DALI Signal Repeater is a device to enhance the maximum DALI cable length from 300m up to 600m. Either radially arranged network layout or cascaded swystem mounting operated with single master. The maximum amount of DALI-devices in the total network is limited to 64, the devices can be divided on the subcircuits at will. Suitable for Din-Rail mounting.

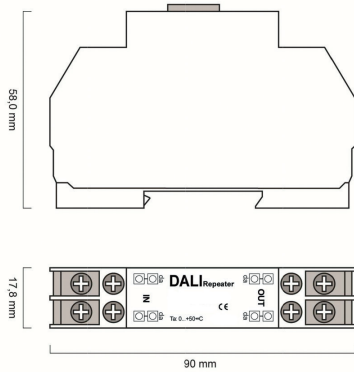
## 2. Specification

power supply	via DALI- Bus
typ. current consumption (main control/sub control circuit)	6 mA / 4mA
DALI IN / Input	DALI
DALI OUT / Output	DALI
mounting	DN-Rail
max. wire corss-section	2,5 mm <sup>2</sup>
dimensions (L x W x H) in mm	120 x 41 x 22 mm
weight	78g

## 3. Description

1. Device to enhance the maximum DALI cable length from 300m up to 600m
2. Enhancement and Transmission of the DALI-signals (bidirectional).
3. Galvanic separation between DALI-circuits
4. Either radially arranged network layout or cascaded system mounting operated with single master.
5. restricted cascading (Series wiring) of multiple repeaters in multi-master operating mode
6. The maximum amount of DALI-devices in the total network is limited to 64, the devices can be divided on the subcircuits at will.
7. For each subordinate DALI circuits a separate power supply is needed. (DALI PS).
8. Suitable for Din-Rail mounting.

## 4. Dimensions



## 5. Wiring Diagram

### Connection

The sequencer-module has to be connected directly to the DALI bus. It is supplied with power by the DALI bus and does not need any additional power supply. A typical value of the current consumption is approximately 2mA. In order to supply additional components on a DALI line the installation of a power supply (DALI PS) is required. The connection to the DALI-line is polarity free and immune to overvoltage. The module fits into a standard lush mount box.

