

MDT DALI Control IP64 Gateway with webinterface, MDRC

Version		
SCN-DALI64.03	DALI Control IP64 Gateway	4SU MDRC, up to 64 ECG

The MDT DALI Control IP64 Gateway receives KNX/EIB telegrams and enables the classic control of 16 DALI groups plus individual control up to 64 ECGs. Once the ECGs have been assigned to a group, they can no longer be controlled individually. An ECG can only be allocated to one DALI group. The DALI Control IP64 Gateway does not support multi-group allocations. If multi-group allocation is required, it must be realized via KNX communication objects.

Power supply for the up to 64 connected ECGs comes directly from the DaliControl IP Gateway. An additional DALI power supply is not required and not permitted.

Numerous communication objects are available for the visualisation of status and error information on an ECG as well as group and gateway level.

In addition to all standard operating devices, the DALI Control IP64 Gateway also allows the control of individual battery emergency lights (EN 62386-202). For individual battery emergency lights, a distinction is made between devices with switchable ECGs (usually emergency lights with one ECG) and devices with non-switchable ECGs (converters), which are usually used in connection with another "normal" ECG (2 ECGs per light). The DALI Control IP64 Gateway for the mixed control of different ECG types within a DALI segment. Emergency lighting systems with a central battery are also supported.

A scene module for the extensive programming of up to 16 scenes from groups and individual ECGs as well as an effect module for the control of processes and light effects are also available on the device.

The commissioning after installation and group attribution of the DALI Control IP64 Gateway is done with the buttons on the device or with the integrated webinterface. Quick identification and group attribution of the connected DALI segments can be done without connection to the KNX bus. The network connection is realized with an RJ45 interface.

The MDT DALI Control IP64 Gateway is a modular installation device for fixed installation in dry rooms. It fits on 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the MDT DALI Control IP64 Gateway it is recommended to use the ETS. Please download the application software at www.mdt.de/Downloads.html

SCN-DALI64.03



- Production in Germany certified according to ISO 9001
- **Individual control of up to 64 ECG/16 DALI groups**
- Supports DALI and DALI-2 standard, as well as DALI DT6/DT8 ECG
- **Innovative HSV colour control, RGB, RGBW and XY colour according to DALI DT8 standard** (16 DALI groups)
- **Tunable White, colour temperature control** (16 DALI groups)
- Operation modes like normal operation, continuous operation, night operation, stairwell operation and panic operation
- Test mode for systems with emergency lights that were supplied through Central batteries
- Support of single battery emergency lights DT-1
- **Integrated colour control module for time dependent control**
- Manual operation for all 16 groups
- 16 scenes with individual dimming times
- **Energy saving function for switching off the ECGs** in the DALI groups (via additional KNX switch actuator)
- Simple group attribution directly on the device
- **DALI Commissioning via Webbrowser or directly on the device display**
- Detection of faulty lamps and ECGs
- Quick exchange of ECG
- **Free DCA app for commissioning** the DALI bus system
- Commissioning with ETS5, 3 years warranty

Technical Data	SCN-DALI64.03
Outputs	
Number of groups	16
Number of ECG	64
Maximum Dali voltage	16-20VDC
Maximum Dali current	250mA
Specification KNX Interface	TP-256 with Long Frame support for ETS5
Available application software	ETS5
Permitted wire gauge	
Screw terminal (max. 0,5Nm tightening torque)	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded
KNX busconnection terminal	0,8mm Ø, solid core
Power Supply	230VAC/50Hz
Power consumption mains 230VAC typ.	< 7W
Operation temperature range	0 bis + 45°C
Enclosure	IP 20
Dimensions MDRC (Space Units)	4SU

Exemplary circuit diagram SCN-DALI64.02

