

Product: DaliControl SC16
Product line: KNX DALI-Gateway
Order number: 3927-145-01
KNX-APD: Appl-3927-DaliControl-01-0115-en
BMA: BMA-3927-DaliControl-01-0115-en
ETS-PDB: 3927-145-01(DaliControl1.5).vd2



KNX Gateway DaliControl SC16

Description

The DaliControl SC16 brings together the cross-functional KNX installation bus and the lighting control specific DALI-Bus.

Lights with cost-effective, digital DALI ECGs can therefore be integrated into an overall EIB/KNX architecture and operated via the multitude of existing KNX devices.

The DaliControl SC16 serves both as DALI-Master and power supply for all connected ECGs. Up to 64 ECGs allocated to up to 16 groups can be switched and dimmed per Gateway.

In the application program, 5 objects are available per group. The first three objects in each group are used to switch or dimm the lights or set them to a defined value. The remaining two objects in each group are used for status information providing the current light value or error status, for example of a visualisation, via KNX.

In addition the individual groups can be used to program and load up to 16 light scenes. The device supports both 1 Bit as well as 1 Byte KNX scene objects.

A major advantage of DALI technology is the easy commissioning and group allocation as well as the possibility to modify the configuration without changing the wiring.

Even subsequent addition or removal of DALI ECGs from the installation without re-configuration of the existing ECGs is possible with DALI and the DaliControl SC16.

Related products:

DaliControl SC64 IP (SC64IP)

Applications, manuals and descriptions are available in our Customer Center under www.ipas-products.com.



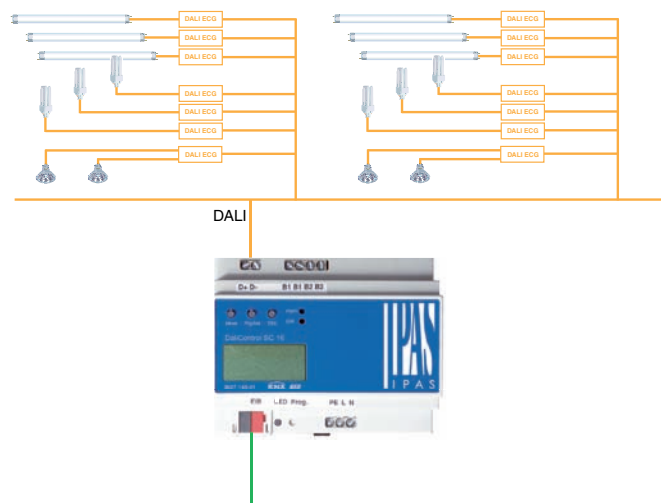
Application

Using the SC16, the DALI can be commissioned (allocation of DALI ECGs to the various groups and changes in configuration) in two different ways.

The commissioning of the DALI Gateway is performed using the integrated display and programming buttons directly on the device without KNX and previous ETS programming. Commissioning on the device is particularly recommended for DALI installations performed by an electrician and where the ETS is programmed subsequently by a system integrator.

In addition, an easy to use and free commissioning tool is available. By means of this tool, the commissioning can be performed via an interface connected to the KNX-Bus (RS-232, USB, IP). This method is particularly recommended for installations where the Gateways are located separately from the lights or where the lights are not visible to the Gateways. Using this tool enables the identification of the lights at the place of installation.

In addition, two binary inputs are available on the device. Via two simple pushbuttons, which are connected to the device, switch functions can be performed directly. The pushbutton function is available without previous KNX Bus connection and is particularly interesting for the installation phase (construction site).



Specifications: DaliControl SC16

Connections:	Bus: bus connector KNX, Mains Connector: screw connector 3x 1,5mm ² single or threaded core, DALI-Bus: screw connector 2x 1,5mm ² single or threaded core, Binary input: screw connector 2x 1,5mm ² single or threaded core
Dimensions:	Wide: 106 mm, High: 55 mm, Installation depth: 86 mm
Weight:	200 g
Casing:	REG Casing 6TE mounting on 35mm DIN rail 35 mm
Power Supply:	Mains Connector for 110 to 240 V, 50 to 60Hz, plus KNX
Protection type:	IP20 according EN 60529, Din VDE 0470
Class:	I according IEC 1140

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