Product:	DaliControl SC64IP
Product line:	KNX DALI-Gateway
Order number:	3927-145-52
KNX-APD:	Appl-3927-DaliControl-01-0120-en
BMA:	BMA-3927-DaliControl-01-0120-en
ETS-PDB:	3927-145-02(DaliControl2.0).vd2

KNX Gateway
DaliControl SC64IP

Description

The DaliControl SC64IP 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 SC64IP serves both as DALI-Master and power supply for up to 64 connected ECGs.

The ECGs can be switched, dimmed or set to a defined value in up to 16 groups per Gateway. The current light value or error status of each group (light, ECG error status within the group) can be exported to e.g. a visualisation via KNX.

In addition to the group control, the SC64IP also enables the individual control of up to 64 ECGs. In the latter case, one object is available per ECG.

A parameter determines whether the individual ECG is to be switched, dimmed or set to a defined value.

An error status object is available for each ECG. This makes it possible to locate exactly light and ECG errors. The DaliControl SC64IP therefore makes service and maintenance a lot easier.

Full control of all connected ECGs via Broadcast (no DALI commissioning is necessary in this case) is possible via three objects.

In addition, the individual groups can be used to program and load up to 16 light scenes. The scene control is performed via a 1Byte object.

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

Related products:

DaliControl SC16 (SC16)

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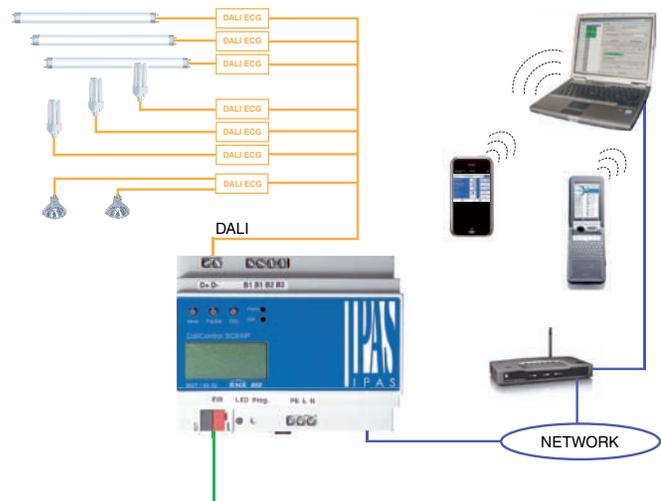
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Application

Using the SC64IP, the DALI can be commissioned (assignment of DALI ECGs to the various groups and changes in configuration) in three different ways.

The DALI can be commissioned entirely on the device by using the integrated display and programming buttons 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 to the KNX and DALI interface, the DaliControl SC64IP also has an RJ-45 interface,

which makes it possible to connect the device with an existing IP network. The integrated web server ensures easy DALI commissioning via any web browser. The IP address, which has been programmed with ETS or assigned by a DHCP server, is loaded in a browser. Web access is also possible via WLAN. The commissioning website is designed in such a way that the display is possible on a portable PDA. This gives the commissioning technician the opportunity to move around the installation freely.

| Design Tableaus | Chipcard Reader | Touch Control ETS6M | IR LuxSolo | Touch Control ETS6C | |

Specifications: DaliControl SC64IP

Connections:	Bus: bus connector KNX - Bushing RJ45 for Ethernet Mains Connector: screw connector 3x 1,5mm² single or threaded core DALI-Bus: screw connector 2x 1,5mm² single or threaded core Binary input: screw connector 2x 1,5mm² single or threaded core
Dimensions:	Wide: 106 mm, High: 55 mm, Installation depht: 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