New: DALI Gateways

Launch Presentation

DALI Gateways

Overview

What is DALI?

DALI stands for Digital Addressable Lighting Interface and is a protocol set out in the technical standard IEC 62386.

Controllable lighting systems are the key for energy saving in building lighting installations – with the additional benefit of increased comfort and safety. DALI was developed as an international industry standard for intelligent and easy management of lighting equipment

The ABB DALI Gateways are used to interface between DALI

(Digital Addressable Lighting Interface) and KNX installations.

KNX DALI Gateways

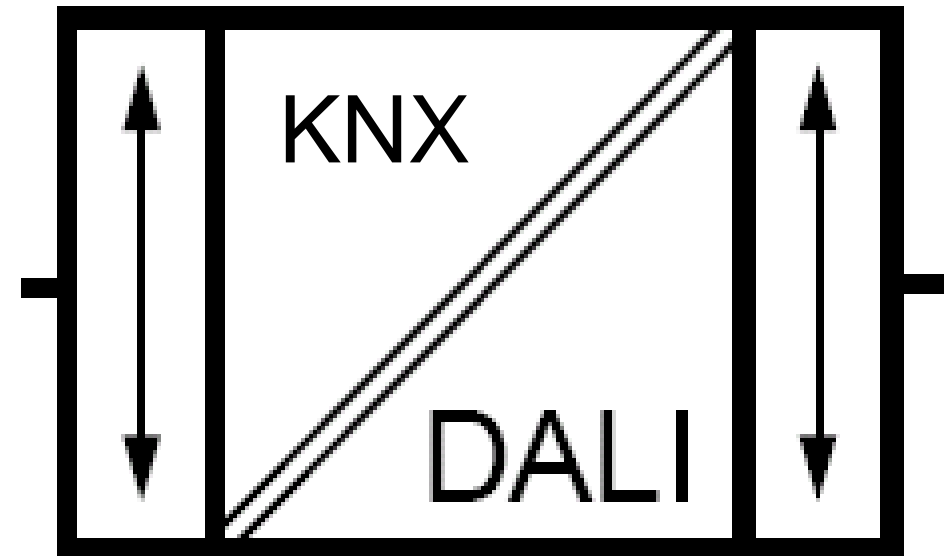## Overview

What is a DALI Gateway?

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Two new Gateways will be available End of March 2017:

- DG/S 1.64.1 DALI-Gateway (1fold) and

- DG/S 2.64.1.1 DALI Gateway (2fold).

Both incorporate the DALI power supply.

Both Gateways are equipped with emergency lighting function, support the DALI standard EN 62386-202 that specifies DALI emergency lighting (self-contained).

Connecting modern Lighting with Building Automation

ABB

DALI Gateways

Comparison

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DG/S 1.64.1.1 DALI-Gateway (1fold)

Flexibility by controlling light individually per device

or in groups

- can install up to 64 DALI devices both via 16 flexible DALI
- and KNX lighting groups each with one or more DALI participants
- Control and Monitoring via KNX, Control and status feedback can also be carried out via Broadcast. 16 independent Lighting scenes are available.

DALI-Gateway DG/S 2.64.1.1

Maximum flexibility combined with highest amount of DALI

participants and groups, to meet all customer needs

- can install up to 2 x 64 DALI devices both via 2 x 16 flexible DALI and KNX lighting groups each with one or more DALI participants.
- Control and Monitoring via KNX. Control and status feedback can also be carried out via Broadcast. 2 x 16 independent Lighting scenes are available.

ABB

KNX DALI Gateway Basic

Existing portfolio

Gateway:

Broadcast

DG/S 8.1

Light controller:

Group control

DLR/S 1.16.1 & DLR/A 4.8.1.1

Gateway:

Group control

DG/S1.16.1 & DGN/S1.16.1

Gateway:

Single control

DG/S 1.1

ABB

NEW KNX DALI Gateways

Functionalities of three devices into one device

Single Control

Group Control

Emergency Converter

NEW!

All functionalities
one device:
Single Control
Group Control
Emergency Converter

Basic 1fold DG/S 1.64.1.1

Function
duplicated

Basic 2fold DG/S 2.64.1.1
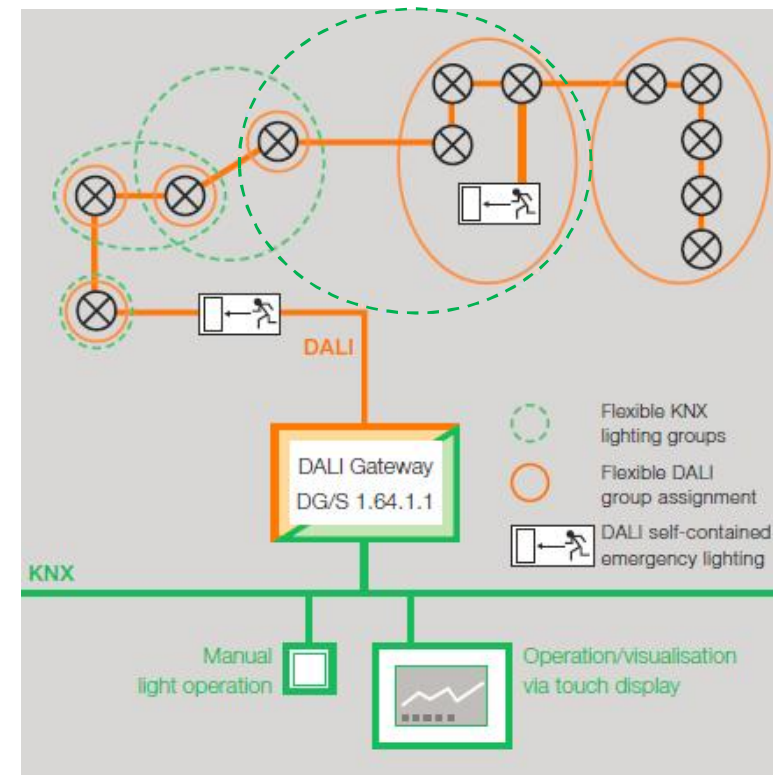
New: KNX DALI Gateway DG/S 1.64.1.1 (1fold)

Applications

Controlling light individually per device or in groups

Perfect solution for all applications:

– 1 DALI output for up to 64 DALI devices

- 16 DALI Group
- 64 single DALI
- 64 Emergency Converter

   (self contained emergency devices acc. EN 62386-202)

- 16 Lighting scenes

– Flexible combination in one DALI output

– Single- / Group - control and -monitoring via KNX

– Broadcast control possible

Simplified Planning & flexibility - One device for all

DALI

DALI Gateway
DG/S 1.64.1.1

KNX

○ Flexible KNX
lighting groups

○ Flexible DALI
group assignment

DALI self-contained
emergency lighting

Manual
light operation

Operation/visualisation
via touch display

ABB

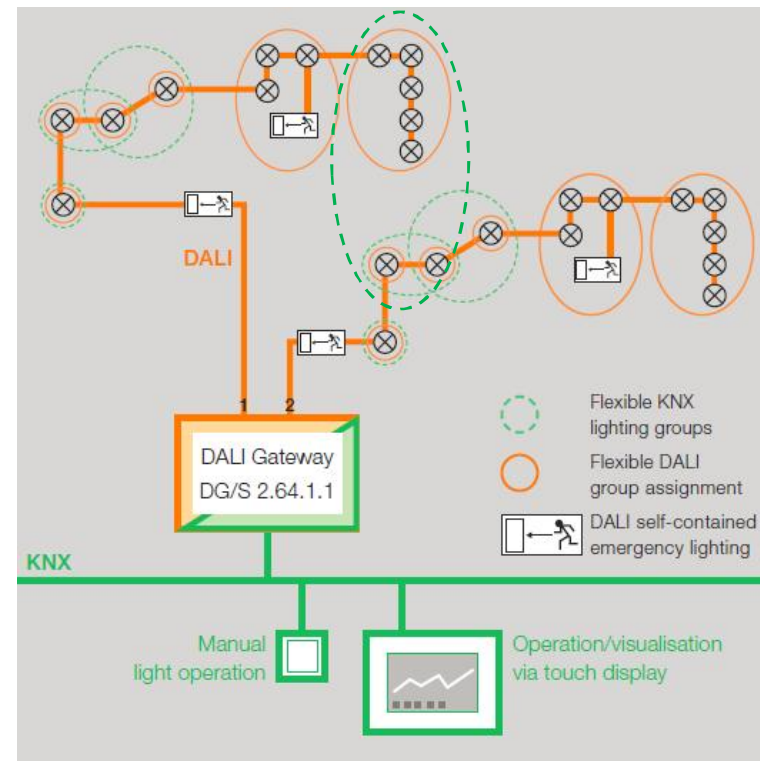# New: KNX DALI Gateway DG/S 2.64.1.1 (2fold)

Applications

Highest amount of DALI participants and groups

Perfect solution for all applications:

– 2x DALI output with complete and equivalent function

- 2x 16 flexible DALI group control

- 2x 64 flexible DALI single control

- 2x 64 Self contained emergency lighting
  (acc. DALI standard EN 62386-202 Type 1)

- 2x 16 lighting scenes

– Flexible combination in two DALI outputs

– Single- / Group control and monitoring via KNX

– Additional Broadcast control

Maximum Flexibility & planning – Two DALI channels

ABB KNX DALI-Gateways

Product Life Cycle

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NEW	DG/S 1.64.1.1					A	A	A	A	A	A
NEW	DG/S 2.64.1.1						A	A	A	A	A
discontinued	DG/S 1.1	A	A	A	C	C	C	L	L	O	O
discontinued	DG/S 1.16.1	A	A	A	C	C	C	L	L	O	O
discontinued	DGN/S1.16.1	A	A	A	C	C	C	L	L	O	O
Unchanged	DG/S8.1	A	A	A	A	A	A	A	A	A	A
Unchanged	DLR/S8.16.1M	A	A	A	A	A	A	A	A	A	A
Unchanged	DLR/A4.8.1.1	A	A	A	A	A	A	A	A	A	A