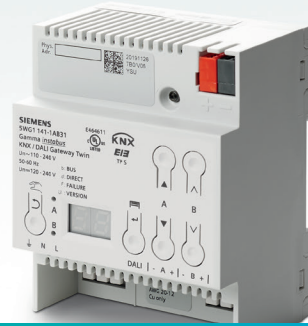
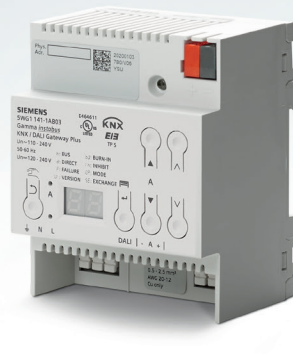
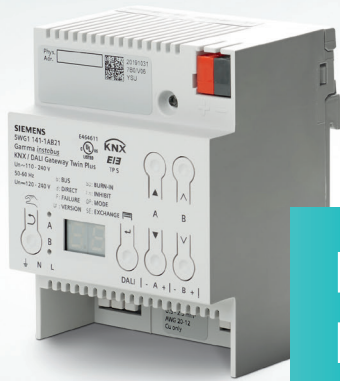


SIEMENS
Ingenuity for life



Flexible in every application: KNX/DALI gateway

For simple and convenient lighting
control with DALI

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KNX and DALI – a strong team

DALI enables you to efficiently and conveniently control modern lighting systems. When combined with the advantages of the open communication standard KNX, efficiency can be increased even further. Hence, the KNX/DALI gateways by Siemens directly offer both standards: the DALI standard (IEC 62386) for digital lighting and the KNX standard (ISO/IEC 14543-3 or DIN EN 50090) for building technology. DALI lighting can be integrated easily and quickly into KNX installations.

As a DALI master controller, the three current KNX/DALI gateways offer extensive functions for efficient lighting control. All variants support the control of ECG edition 1 as well as ECG edition 2 (DALI-2) because these are downward compatible. All KNX/DALI gateways support selected DALI sensors that are compatible with the specification by Siemens.

By using a DALI push-button interface and optional DALI movement sensors, standalone DALI lighting systems can be implemented.

Individual light adjustment through tunable white

The KNX/DALI gateways support tunable white, a variable and seamless color temperature control from warm to cold white light. Dynamic color temperatures not only promote a good room atmosphere but contribute to human well-being. This follows the concept of Human Centric Lighting, a way of light planning that responds to human needs. While cold white light promotes concentration, warm white lights has a calming effect. In this way, the light in a room can be positively adjusted to individual requirements and situations.

An adjusted color temperature can ensure perfect seeing and working conditions, which are crucial especially in educational institutions and offices.

Highlights

- Flexibility thanks to three different DALI gateways
- Tunable White for Human Centric Lighting applications with effects and schedule
- Highly flexible installation thanks to DALI sensors and brightness controller
- Replacing defective ECGs without using software

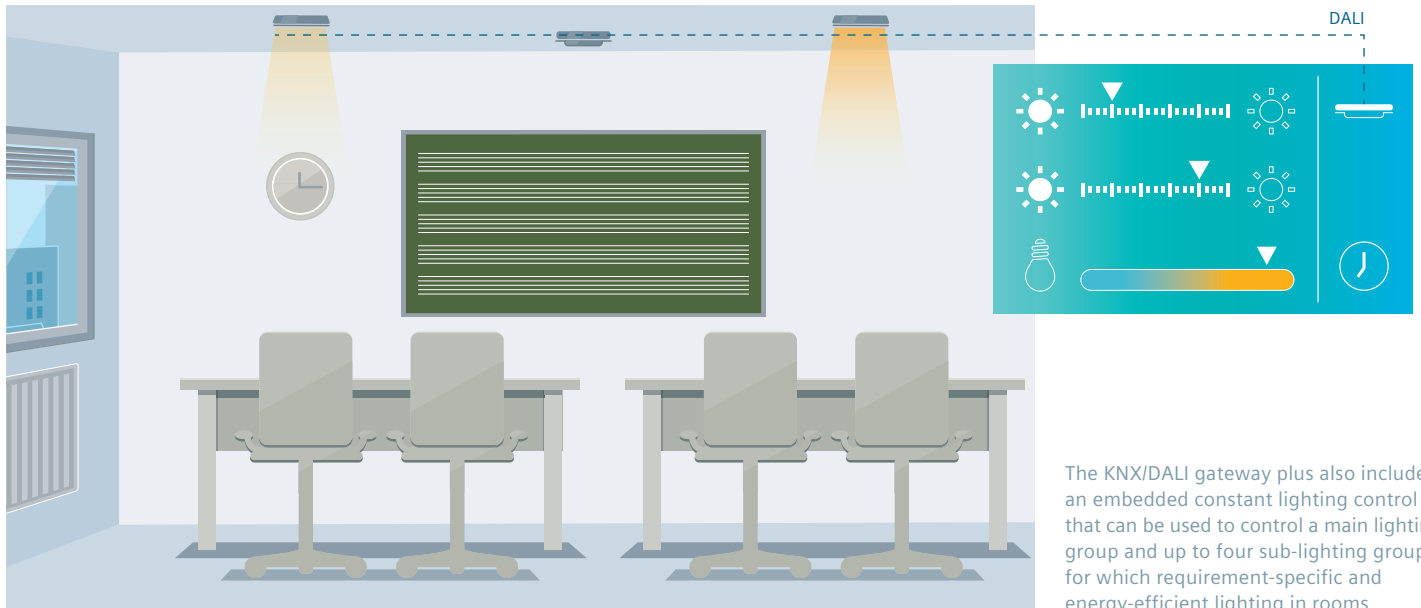
These devices are compatible with ECGs of DALI Version 1 and DALI-2.



Efficient lighting control with KNX and DALI

KNX/DALI gateways by Siemens connect KNX installations and DALI lighting controls and thus form the basis for new design options.

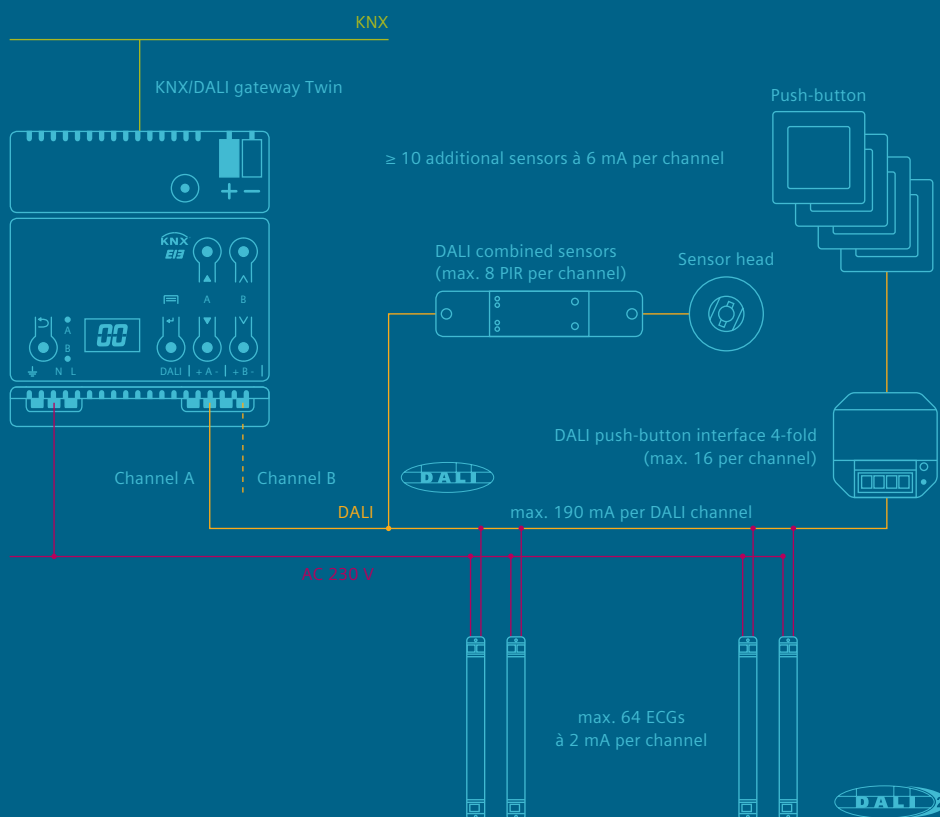
The color temperature included in **scenes**, and **effects*** and **schedules*** makes it possible to use the KNX/DALI gateways in Human Centric Lighting applications without requiring external KNX devices.



The KNX/DALI gateway plus also includes an embedded constant lighting control that can be used to control a main lighting group and up to four sub-lighting groups for which requirement-specific and energy-efficient lighting in rooms.

*plus versions!

Lighting control with DALI



The specification of the DALI communication interface is set out in international standard IEC 62386.

The individual ECGs in the system are addressed either on the basis of the short address (individual control) or on the basis of a DALI group address (group addressing).




For this purpose, any number of ECGs of a line can be assigned to up to 16 DALI groups.

All important data at a glance

The main differences between the three gateway variants are the number of outputs and the scope of functions.

Technical data			
Product name	N 141/03 KNX/DALI gateway plus	N 141/21 KNX/DALI gateway Twin plus	N 141/31 KNX/DALI gateway Twin
			

MLFB	5WG1141-1AB03	5WG1141-1AB21	5WG1141-1AB31
DALI channels	1	2	2
ECG individual control	✗	✗	✗
DALI sensors	✗	✗	
Emergency lighting	✗	✗	✗
Emergency lighting test results	✗	✗	
Constant lighting control	✗	✗	
2-point lighting control	✗	✗	
Stand-by	✗	✗	✗
Timer	✗	✗	
Effect control	✗	✗	
Scene	16	32	32
Color temperature control	✗	✗	✗
Burn-in function (entire system)	✗	✗	
Burn-in function via object	✗	✗	✗
Standard applications	✗	✗	
Replacing defective ECGs without ETS	✗	✗	✗
Display	✗	✗	✗
Stand-alone operation	✗	✗	✗

Selection and order data							
	Type	Design	Order no.	PE (ST, SZ, M)	PKG/VPE	PG	Price (€)
	N 141/03	KNX/DALI gateway plus, 1 channel	5WG1141-1AB03				
	N 141/21	KNX/DALI gateway Twin plus, 2 channels	5WG1141-1AB21				
	N 141/31	KNX/DALI gateway Twin, 2 channels	5WG1141-1AB31				

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We work together with customers and partners to create an ecosystem that intuitively responds to the needs of people and helps customers to better use resources.

It helps our customers to thrive, communities to progress and supports sustainable development.

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