



■ Features :

- KNX proof gateway
- Easy configuration & installation
- Cost effective solution for smart building
- Connector up to 64 DALI ECGs/Drivers
- Built-in DALI power supply
- LCD 2x12 display
- Lighting control via the button
- Lighting control via the integrated web server
- Up to 16 DALI lighting groups setting
- Up to 16 DALI scenes setting
- 3 year warranty

■ Description :

DALI Gateway brings together the crossfunctional KNX installation bus and the lighting control specific DALI-Bus (IEC 60929). Lights with cost-effective, digital DALI ECGs can therefore be integrated into an overall KNX architecture and operated via the multitude of existing KNX devices.

KDA-64 is a device used to control ECGs with a DALI interface via KNX. The device transforms switch and dim commands from the connected KNX system into DALI telegrams and status information from the DALI bus into KNX telegrams.

KDA-64 is a Category 1 device (in accordance with EN 62386-103). This means the device must only be used in DALI segments with connected ECGs and not with other DALI control devices within the segment (No multi-master function).

Power supply for the up to 64 connected ECGs comes directly from the Dalí Control e64. An additional DALI power supply is not required and not permitted.

The device comes in a 4 units wide DIN Rail casing so it can be directly integrated into the mains distribution box. Connection to the KNX bus is via a bus connector. Network and DALI lines are connected via screw connectors on the device.

ECGs can be switched, dimmed and set to a defined value in 16 groups per gateway. In addition to group control, KDA-64 offers the possibility to individually control up to 64 ECGs.



SPECIFICATION

MODEL		KDA-64
OUTPUT/ SIGNAL	KNX BUS VOLTAGE	DC 24V SELV
	DALI BUS VOLTAGE	Built-in DALI Voltage 16-20VDC ; Connect up to 64 DALI ECGs or LED Driver
	DALI BUS RATED CURRENT	250mA
	ETHERNET	100MB/s via RJ45 connector
	TERMINAL	Screw terminal for solid or stranded copper conductors 1,5mm ²
INPUT	VOLTAGE RANGE	110~240 VAC 155~339VDC
	FREQUENCY RANGE	50~60Hz
	AC CURRENT	0.1A
	POWER CONSUMPTION	7W(Typ.)
	TERMINAL	Screw terminal for solid or stranded copper conductors 1,5mm ²
PROTECTION	OVERLOAD	100% at DALI rated current Protection type : Constant current limiting
	OVERVOLTAGE	NA
FUNCTION	DISPLAY	LC-Display of 2 lines with 12 characters each for comission the device and parameter setting
	KNX ADDRESSING	One physical button to toggle between normal and addressing mode
	KNX INDICATION	One RED LED for indication
	GENERIC SETTING	Three buttons(SCROLL, Prg/Set, ESC) on the front panel to set and view the settings
EMRMENT	WORKING TEMP.	-5 ~ +45 °C
	WORKING HUMIDITY	5 ~ 93% RH non-condensing ; comply with Weather EN 50090-2-2
	STORAGE TEMP., HUMIDITY	-25 ~ +70 °C, 10 ~ 95% RH
	VIBRATION	10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	Design refer to EN60950
	DALI STANDARDS	Comply with IEC60926, EN62386-103 DALI controller
	EMC EMISSION	Compliance to EN50081-1, EN50082-2, EN50090-2-2
	EMC IMMUNITY	Compliance to EN61547
OTHERS	MTBF	xx Khrs min.
	DIMENSION	86*70*55 mm (L*W*H)- Weight 0,200Kg
	DIN RAIL MOUNTING	35 mm rail ; 4 units wide
	ENCLOSURE	ABS-V0
NOTE	1. It is not allowed to use other control devices (DALI-Master devices) within the same line.	