

Technical Datasheet

KNX LightPlus DALI

Art.no.: 551xx



KNX LightPlus DALI

- 16 EVGs and 4 DALI groups / broadcast
- DALI emergency functions
- Two mechanical relay outputs 230V/16A*
- Two binary inputs
- One extension terminal (RJ45)
- Presence detector (2Sense)
- Constant light controller
- VAV damper control (IOana 0-10V)
- Scene
- Logic

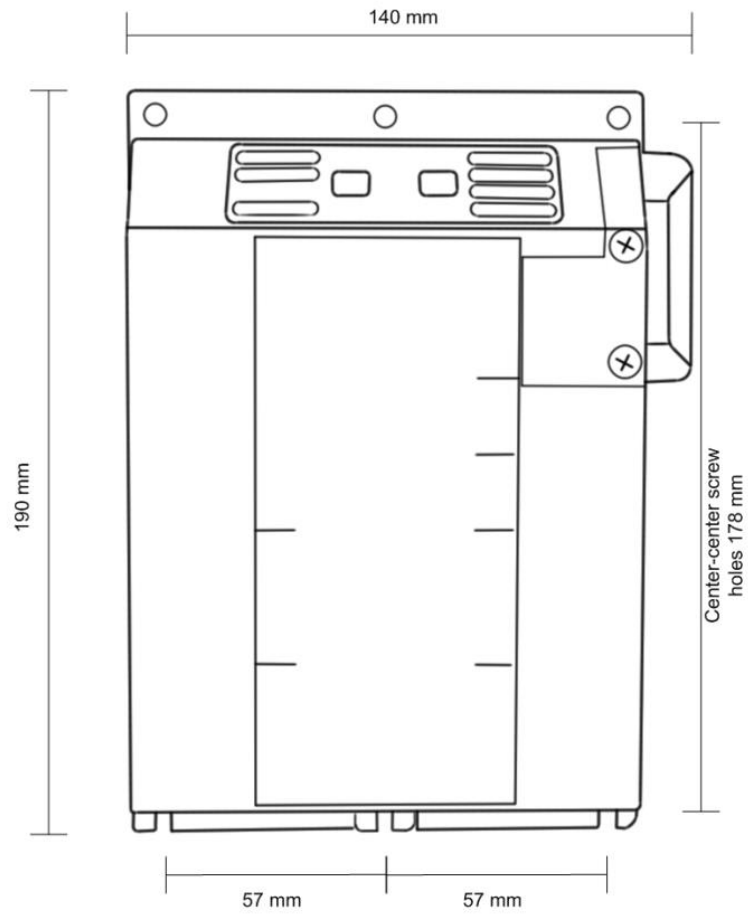
KNX LightPlus DALI is smart, compact and installation friendly, fitted with WAGO Winsta MIDI plugs. With an installation height of only 40 mm, the KNX LightPlus is perfect for mounting in ceiling and for below-floor installations. Easy access to front panel for manual operation and testing.

Application program featuring complete KNX-DALI gateway with groups and emergency function, relay outputs with logic, timer and PWM, potential free binary inputs for manual operation of lighting or shutter/blinds. Terminals for local sensors make it possible to combine KNX LightPlus with sensor to get 4-channel movement control, brightness sensing, constant lighting control and IR remote receiving functionality.

55100 KNX LightPlus DALI Basic, Wago

55102 KNX LightPlus DALI 2x 16A relay, Wago

Dimensions



Extension for KNX LightPlus

52001 2Sense MC, movement / lux

52101 2Sense MC, movement / lux

56100 IOana MC, Wago

52800 IR Remote control wall holder

52801 IR Remote control, temperature / lights / blinds

52802 IR Remote control, lights / blinds

52802 IR Remote control, lights / lights

Accessories for KNX LightPlus

52901 RJ45 straight coupler (1:1), white

52902 RJ45 Y-coupler (1:1), white

52903 RJ45 panel mount coupler (1:1), Ø=21mm, black

52904 RJ45 splitter with 0.1m cable (1:1), white

52905 RJ45 connection terminal, binary input 1, white

52910 RJ45 patch cable (1:1), 0.1m, blue

52911 RJ45 patch cable (1:1), 1.0m, blue

52913 RJ45 patch cable (1:1), 3.0m, blue

52915 RJ45 patch cable (1:1), 5.0m, blue

54911 Wago plug kit for KNX LightPlus DALI

Technical data

		KNX LightPlus	
		55100	55102
Power	• Operating voltage, Main	230V AC 50Hz	
	• Operating voltage, KNX	21...30 V DC	
	• Power consumption, KNX	Normal 10mA / Peak 20mA	
Output relay	• Number of potential free contacts	–	–
	• Number of 230V outputs	–	2
	• Un rated voltage	–	–
	• In rated current	–	16A
	• DALI output	Broadcast / 4 Groups	
	• Numbers of EVGs	16	
	• Power loss at max. load	4W	
Output relay switching power	• Max. inrush current I _p	–	400A/150μS
	• AC3 operation (cosφ=0.45) EN 60 947-4 -1	–	8A
	• AC1 operation (cosφ=0.80) EN 60 947-4 -1	–	16A
	• DC current switching capacity (Ohmic load)	–	
	• Mechanical endurance	–	100.000
Inputs	• Number of inputs	2	
	• Polling voltage U _n	16V	
	• Sensing current I _n	1mA	
	• Permitted cable lengths	10 m	
Connections	• KNX	WAGO Winsta KNX	
	• Load current circuits	WAGO Winsta MIDI	
	• Inputs	Via connection terminal without screws	
	• Wiring	0.5-2.5 mm ²	
	• Connection of local sensor	RJ45	
Movement detector	• Detection area at floor (diameter)	8 m	
	• Installation height	3 m	
Operating and display elements	• Through control panel in front		
Housing	• PC + ABS (antimony-, chlorine- and bromine-free flame retardant)		
KNX voltage	• SELV 29V DC (safety extra low voltage)		
DALI voltage	• ELV 16V DC (extra low voltage)	X	
Temperature range	• Operation	+5 °C ... +45 °C	
	• Storage	-25 °C ... +65 °C	
	• Transport	-25 °C ... +65 °C	
Design	• Dimensions (H x W x D)	40.0 x 130.5 x 190.0 mm	
Approvals	• EIB / KNX EN 50 090-2-2	Certification	
CE mark	• In accordance with the EMC guideline and low voltage guideline		



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