Double-Channel DALI Gateway (KNX)

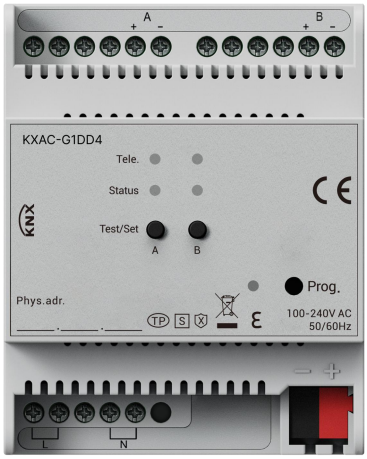
Datasheet

Product Introduction

This dual-channel DALI gateway features two independent DALI output channels, each supporting up to 64 DALI devices. It enables mixed access of multiple device types including DT6, DT8, DT7, and DT1, offering flexible configuration. With a wide-voltage power supply design, each DALI channel integrates a built-in 250mA bus power supply, eliminating the requirement for additional external DALI bus power sources. This design significantly reduces system wiring complexity and lowers installation costs.

Features

- Dual-channel DALI/DALI2 control, with up to 64 devices per Channel
- Support DT6, DT8 RGB/RGBW, DT8 XY, DT7, DT1
- Supports group control (16 groups/channel), scene recall (16 scenes/channel), sensor integration (8 sensors/channel)
- Supports calling group or global scenes in DALI channels via KNX scenes.
- Wide voltage range design with integrated DALI bus power supply



Specification

- Product Model: KXAC-G1DD4
- Bus Voltage: 21~30V DC
- Bus Current: 9.5mA/30V DC

  11.0mA/24V DC
- Bus Consumption: <285mW
- Auxiliary Power Supply (for DALI control):

Voltage: 100~240V AC, 50/60Hz

Current: <55mA, 220V AC

Power Consumption: <12W, 220V AC

- Output Channels: 2

Current per channel: ⩽250mA

Load voltage: 15~19V DC

- DALI Device Quantity: 64 per channel
- Working Temperature: -5℃~45℃
- Working Humidity: 0~93%RH (non-condensing)
- Installation: On standard 35mm DIN rail
- Connection:

  KNX: Bus Connection Terminals (Red/Black), 0.8 mm Ø

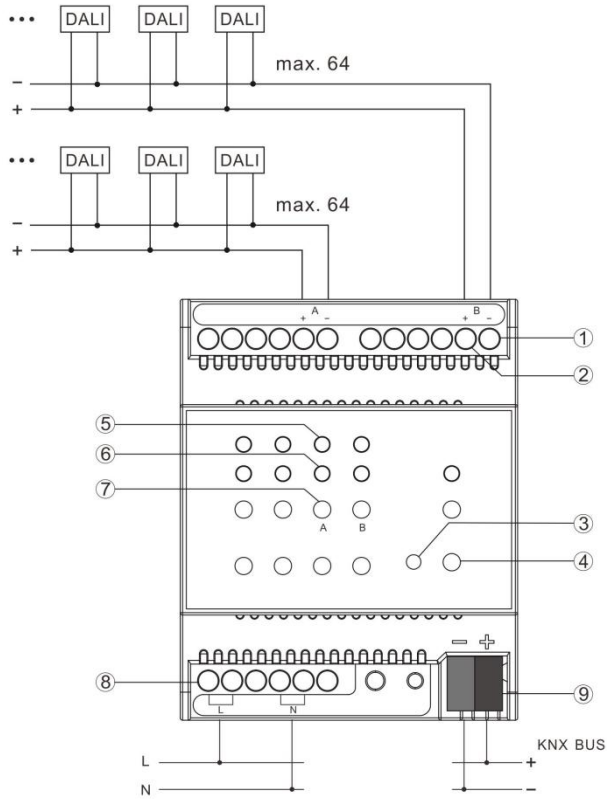
  Input, output: Screw Terminals
- Product Dimensions: 72*90*64(mm)
- Certifications: CE, KNX

akubela

10/F, No.56 Guanri Road, Software Park II , Xiamen 361009, China
Tel: +86-592-2133061 Ext: 7694 Fax: +86-592-2133061
Email: sales@akuvox.com Web: www.akubela.com

Double-Channel DALI Gateway (KNX)

Wiring Diagram



Description:

① DALI output negative terminal

② DALI output positive terminal

③ Red light on indicates programming physical address; green light flashing indicates normal operation of the device application layer

④ Programming button

⑤ LED (Tele.): Fast flashing indicates DALI bus is initializing; flashing during communication indicates message data is received on the DALI bus; solid on indicates DALI bus initialization is completed

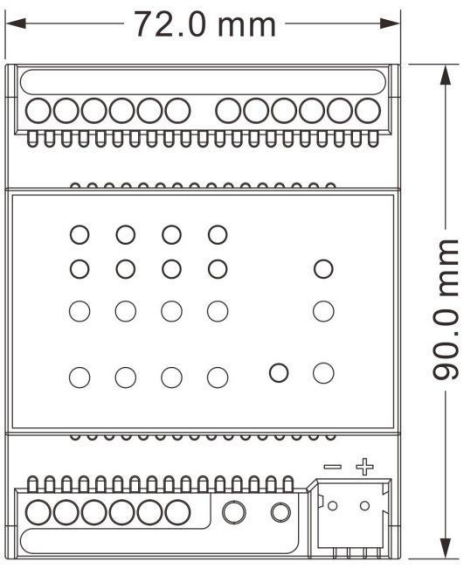
⑥ LED (Status): LED on indicates the entire channel is on; LED off indicates the entire channel is off, which is only applicable to the control indication of channel buttons A and B and the broadcast switch control indication of the channel; LED flashing indicates the DALI gateway is initializing

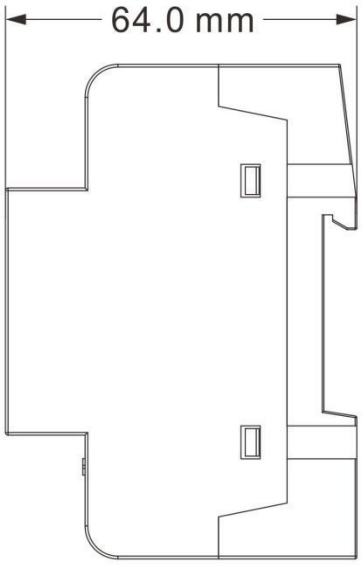
⑦ est/Set button: Short press <5s to turn on/off all devices on the DALI bus of the channel, facilitating the testing of unconnected DALI devices; long press >5s to re-initialize the DALI bus

⑧ 230V AC auxiliary power input terminal

⑨ KNX bus connection terminal

Product Dimension Diagram (mm)





akubela

10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China
Tel: +86-592-2133061 Ext: 7694 Fax: +86-592-2133061
Email: sales@akuvox.com Web: www.akubela.com