

SKYDANCE DH4 Dali DMX 4 Channel Switch Owner's Manual

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SKYDANCE DH4 Dali DMX 4 Channel Switch



Specifications

• Input Voltage: 100-240VAC

• Input Current: 0.1A

• Input Signal: DALI+DMX512

• No-load Standby Power Consumption: 0.5W@100V, 1.5W@240V

Full Load Loss Power: 4W@100V, 4.5W@240V

• Max Relay Load Current:

16A Resistive Load (Incandescent Lamp)

• 8A Capacitive Load (LED Dimming Driver)

8A Inductive Load (Fluorescent Lamp)

· Safety and EMC:

EMC Standard: ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4

• Safety Standard: EN 62368-1:2020+A11:2020

· Certification: CE, EMC, LVD

• Warranty: 5 years

• Environment:

Operation Temperature: -20°C ~ +50°C

Case Temperature (Max.): +60°C

• IP Rating: IP20

Product Usage Instructions

System Setting

• 1. Long press the M button for 2 seconds to enter the system setting state.

- 2. Prepare to set the working mode, channel number, and manual switch enable.
- 3. Short press the M button to switch between three setting items:
 - Working mode: Short press the "+" or "-" button to switch between DALI and DMX working mode.

Frequently Asked Questions

Q: What is the warranty period for the product?

A: The product comes with a warranty of 5 years.

FEATURES

- 4 DALI address, 4 channel 16A dry contact mains rated relay switch output.
- OLED display screen, via button setting two work modes: DALI mode, DMX mode.
- DALI address can be manually assigned and shown on the digital display or automatically assigned by the DALI
 master.
- By DALI standard protocol IEC 62386-101,102, 208 and in compliance with DALI products from other international incorporation.
- Comply with the DMX512 standard protocols.
- RDM function can realize intercommunication between the DMX master and decoder.
- Supports manual switching of individual channels.
- High-inrush specification relays (single pole, normally open).
- Zero cross-switching function. Can operate as:
 - 4 individual channels (4 x 1)
 - 2 sets of 2 channels (2 x 2)
 - 1 set of 4 channels (1 × 4)

Technical Parameters

Input and Output

• Input voltage 100-240VAC

• Input current O.1A

• Input signal DALI+DMX512

- No-load standby power consumption 0.5W@100V, 1.5W@240V
- Full load loss power 4W@10OV, 4.5W@240V
- Relay contacts High inrush (120 A at 20ms), single-pole, single-throw (SPST) relay.
- Max relay load current 16A resistive load (incandescent lamp) 8A Capacitive load (LED dimming driver)
 8A inductive load (fluorescent lamp

Safety and EMC

- EMC standard (EMC) 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
- Safety standard(LVD) ETSI EN EN 62368-1:2020+A11:2020
- Certification CE, EMC, IVD

Warranty and Protection

• Warranty 5 years

Environment

• Operation temperature Ta: -20 °C ~ +50°C

• Case temperature (Max.) Tc: +60°C

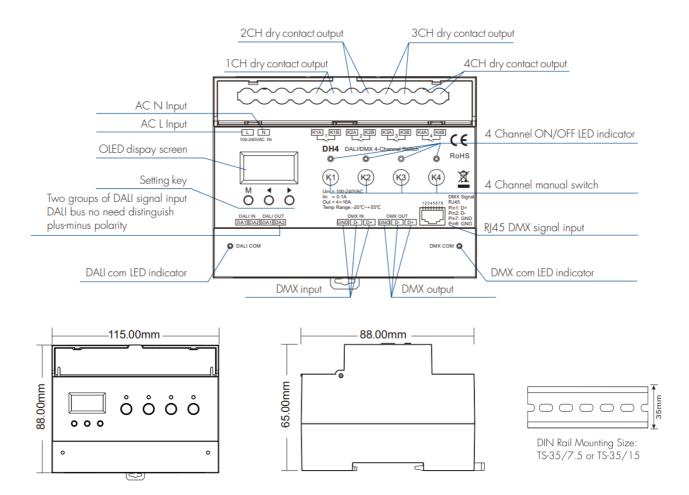
• IP rating IP20

Package

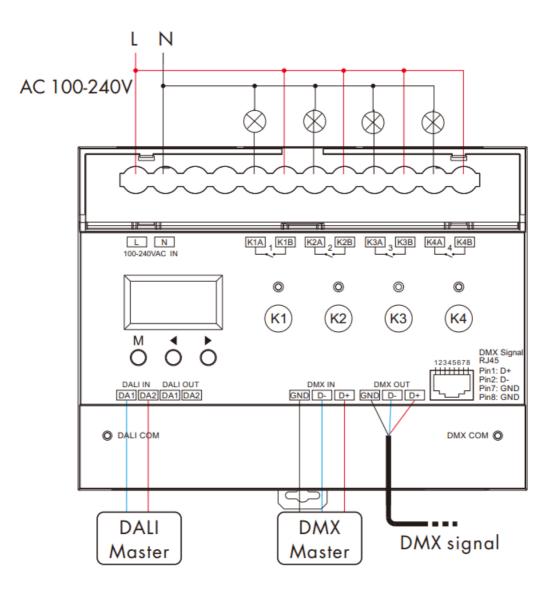
• **Size** W118 x L102 x H71 mm

• Gross weight 0.345kg

Mechanical Structures and Installations



Wiring Diagram

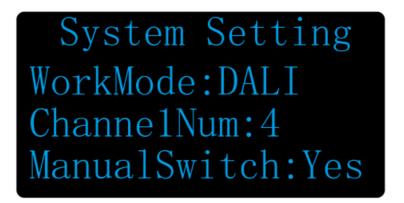


Note:

The maximum surge current of the AC output is 120A, the sum of the surge current of multiple resistive loads or inductive loads (LED drivers)should not exceed its maximum value. Otherwise, the product will be overloaded and damaged.

Work Mode

System setting



• Long press the M button for 2s, enter the system setting state and prepare to set the working mode, channel number, and manual switch. Short press the M button to switch three setting items.

- Working mode: Short press the ◀ or ▶ button, and switch between DALI and DMX working mode.
- Channel number: Short press \triangleleft or \triangleright button, switch the number of 4/2/1 channels, i.e. 4 independent channels (4×1) , 2 groups of 2 channels (2×2) , or 1 group of 4 channels (1×4) .
- The manual switch enables the Short press

 or

 button, setting to allow (Yes) or disallow (No) the manual switching function, i.e. setting whether the four-channel manual switching buttons are active or not.
- Long press the button for 2s, or timeout 15s, and uit the system setting.

DALI mode

DALI Mode
CH1:01 CH2:02
CH3:03 CH4:04

In DALI mode, the DALI address can be set by buttons or DALI master control:

- · Set DALI Address via buttons
 - Short press the M button, and prepare to set the start DALI address. The four channels can be addressed separately, and the address setting of the four channels can be switched sequentially by short pressing the M button.
 - Short press the

 or

 button, to change the address value of the current channel (00-63-FF), FF means
 unassigned DALI address. Long press for fast adjustment.
 - Long press Mthe button for 2s, or timeout 15s, and uit Dthe ALI address setting.
- DALI address assigned by DALI masters DALI address can also be assigned by DALI Master controller automatically.
 - Please refer to user manuals of compatible DALI Masters for specific operations.

DMX mode

DMX Mode CH1:001 CH2:002 CH3:003 CH4:004

In DMX mode, the DMX address can be set by buttons or DMX RDM master:

- Short press the M button, and prepare to set the start DMX address. Only the address of the rst channel needs to be set, and the addresses of the other channels will be automatically added 1 in sequence.
- Short press the ◀ or ▶ button, change the DMX address value (001-512), and long press for fast adjustment.
- Long press the M button for 2s, or timeout 1andqand the the MX address setting.
- DMX control: When the DMX data value is <50, the relay output is off.
 - When the DMX data value is >200, the relay output is on.
 - When the DMX data value is between 50 and 200, keep the previous on/off status.

Restore factory settings

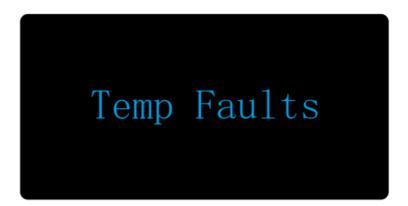


- Long press the

 and

 buttons at the same time for 2 seconds to restore factory settings.
- Factory default parameter: DALI mode, number of channels is 4, manual switch enabled.

Overheat protection



- 110°C triggers temperature protection and shuts off the relay output.
- Normal switching control is resumed at 90°C.

WEBSITE: www.iskydance.pl

Documents / Resources



SKYDANCE DH4 Dali DMX 4 Channel Switch [pdf] Owner's Manual

DH4, DH4 Dali DMX 4 Channel Switch, DH4, Dali DMX 4 Channel Switch, DMX 4 Channel Switch, Channel Switch, Switch

References

- S ELED oświetlenie LED na miarę Twoich potrzeb
- User Manual

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