DH8

DALI

DALI/DMX 8-Channel Relay Unit

- Three operating modes: DALI mode, DMX mode and manual mode.
- LED segment display and 3 button operation.
- Compliant DALI device type 7, DALI-2 certified, in accordance with DALI standard protocol IEC 62386-101,102, 208 and in compliance with DALI products from other international incorporation.
- DALI address can be manually assigned and shown in digital display or automatically assigned by DALI master.
- Comply with the DMX512 standard protocols, support RDM function.
- Support manual switch.
- High-inrush specification relays (single pole, normally open).
- Zero cross switching function, 8 independently output channels.
- Can operate as:
  8 individual channels (8 × 1)
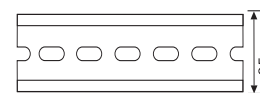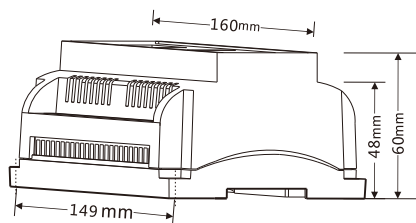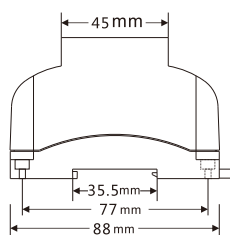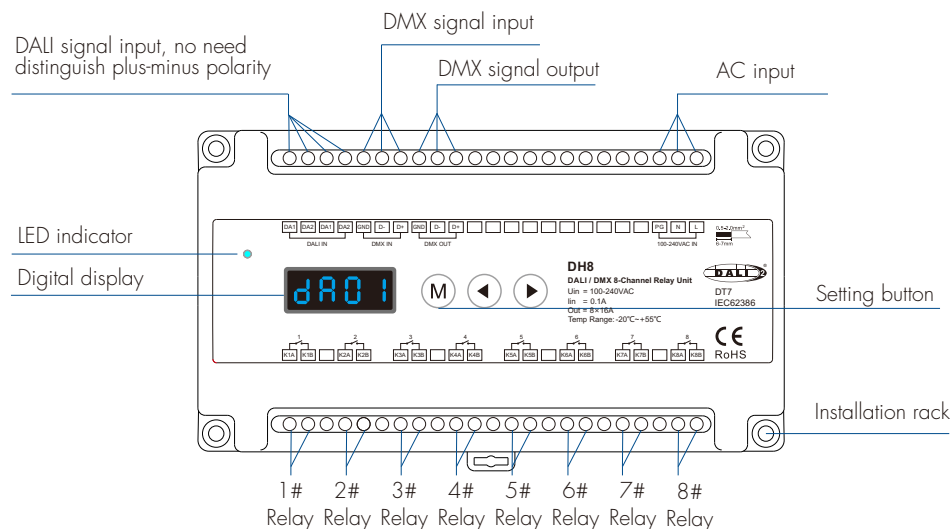 4 sets of 2 channels (4 × 2)
  2 sets of 4 channels (2 × 4)

CE **RoHS** emc LVD   DT7 / 8,4,2 DALI address / DMX-RDM / 8-channel dry contact output / Numeric display / Din Rail

Technical Parameters
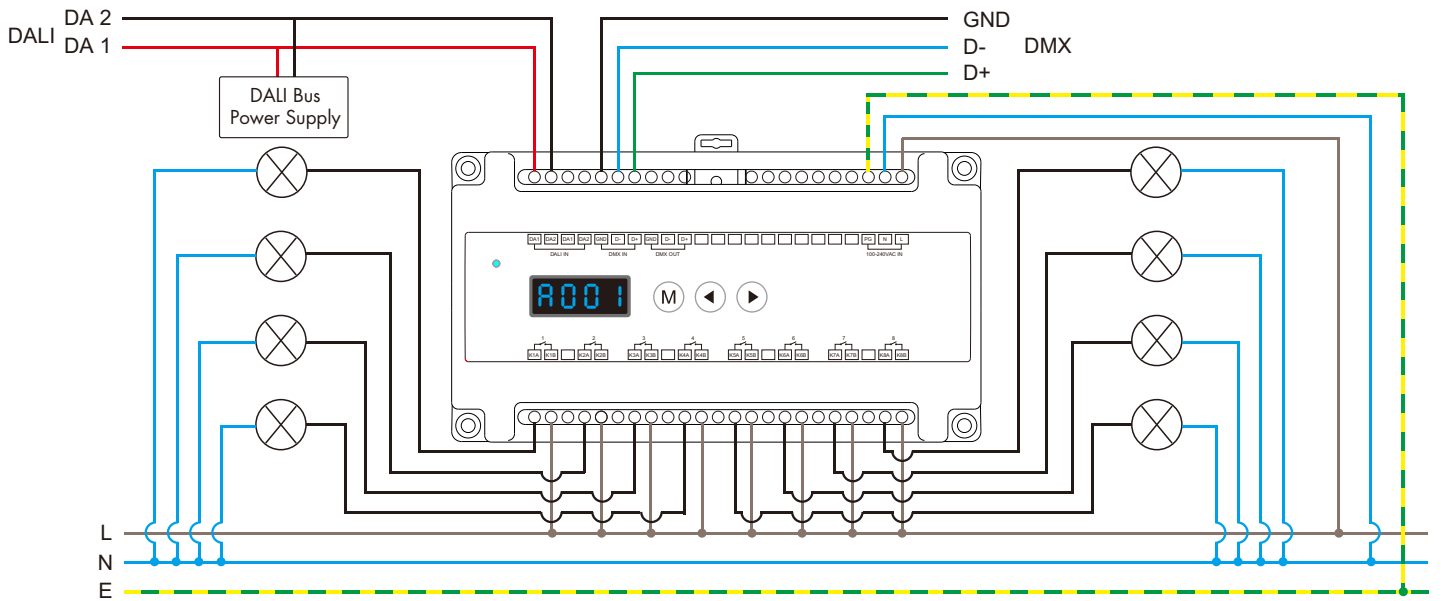
Input and Output

Input voltage	100-240VAC
Input current	0.1A
Full load loss power	Max. 12W
Input signal	DALI and DMX512
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)

Environment

Operation temperature	Ta: -20℃ ~ +55℃
Case temperature (Max.)	Tc: +70 ℃
IP rating	IP20

Package

Size	L165 x W98 x H72mm
Gross weight	0.422kg

Safety and EMC

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

Warranty

Warranty	5 years

Mechanical Structures and Installations

Wiring Diagram

Operation

Work mode setting
Short press M button to switch DALI mode, manual mode and DMX mode.
DALI mode, display "dAxx" or "dUxx", xx is DALI address.
Manual mode, display "Hxon" or "HxoF", x is 1-8 channel.
DMX mode, display "Axxx", xxx is DMX start address.

DALI mode
(dA00~dA63)

Manual mode
(H1on~H8on)

DMX mode
(A001~A512)

Channel setting
● Long press M and ◄ button for 2s, prepare for setup channel. This setting is valid for all three work modes.
● Short press ◄ or ► button to switch 8 independent channels("CH-8"), 4 groups of 2 channels("CH-4") or 2 groups of 4 channels("CH-2").
● Short press M button or timeout 10s, quit channel setting.

DALI mode
Set start DALI Address via buttons:
● Display "dAxx", xx is start DALI address.
● Long press ◄ or ► button for 2s, prepare for setup DALI address.
● Short press ◄ or ► button to setup start DALI address.
● Short press M button or timeout 10s, quit DALI 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.
The digital display will show "dAAU" When the DALI master is assigning address.
After address is assigned, the digital display will show the start DALI address"dAxx", xx is from 00 to 63.
Using the DALI master to assign addresses may result in discontinuous addresses, and the starting DALI address "dUxx" is displayed.

Manual mode
● Display "Hxon" or "HxoF", x is 1-8 channel, "on" is ON state, "oF" is OFF state.
● Short press ◄ button to switch channel.
● Short press ► button to switch ON/OFF state.

DMX mode
Set start DMX Address via buttons:
● Display "Axxx", xxx is start DMX address.
● Long press ◄ or ► button for 2s, prepare for setup DMX address.
● Short press ◄ or ► button to setup start DMX address.
● Short press M button or timeout 10s, quit DMX address setting.
● DMX control: When DMX data value is <50, the relay output is off.
        When DMX data value is >200, the relay output is on.
        When DMX data value is between 50 and 200, keep the previous on/off status.