

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)



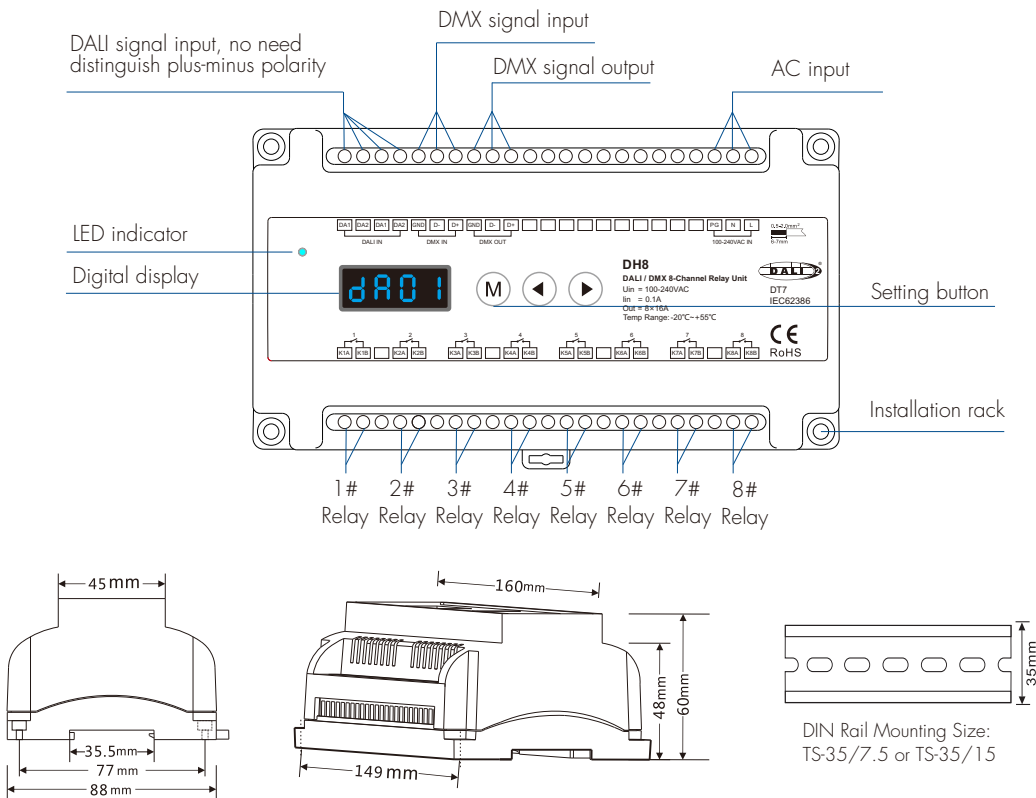
CE RoHS  LVD

DT7 / 8,4,2 DALI address / DMX-RDM / 8-channel dry contact output / Numeric display / Din Rail

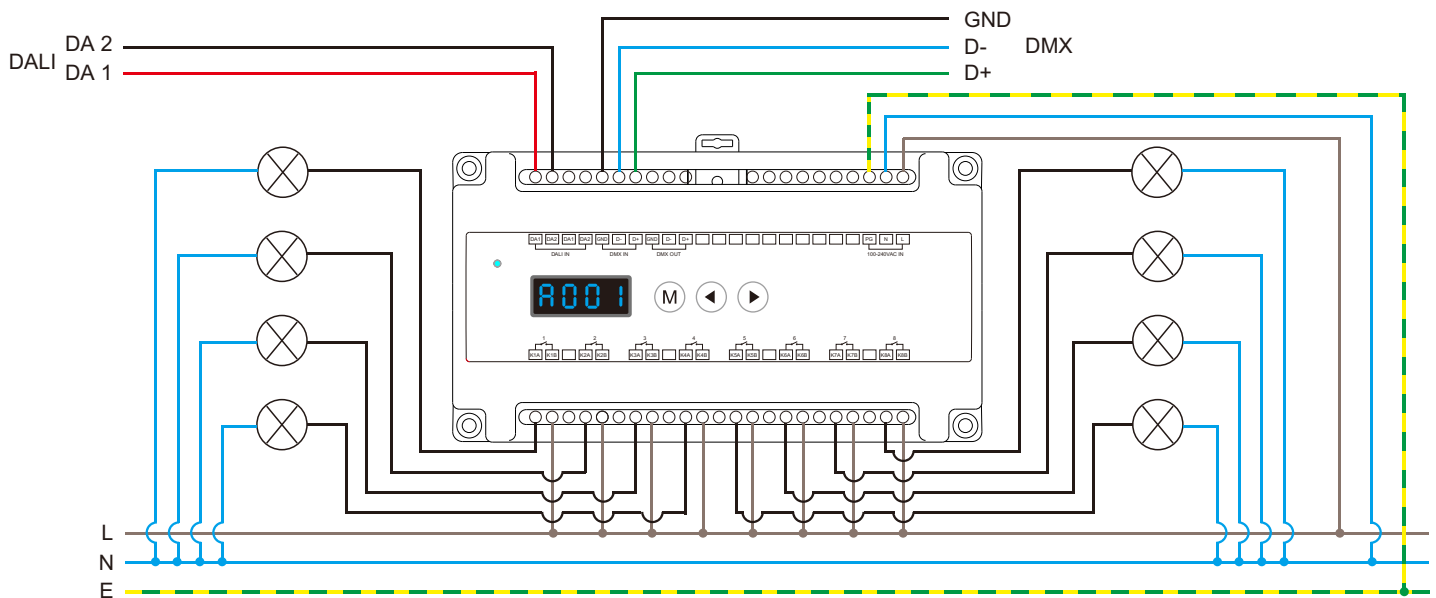
Technical Parameters

Input and Output		Environment		Safety and EMC	
Input voltage	100-240VAC	Operation temperature	Ta: -20℃ ~ +55℃	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3
Input current	0.1A	Case temperature (Max.)	Tc: +70℃		ETSI EN 301 489-17 V3.2.4
Full load loss power	Max. 12W	IP rating	IP20	Safety standard(LVD)	EN 62368-1:2020+A11:2020
Input signal	DALI and DMX512	Package		Certification	CE,EMC,LVD
Relay contacts	High inrush (120 A at 20ms), single-pole, single-throw (SPST) relay.			Warranty	
Max relay load current	16A resistive load (incandescent lamp) 8A Capacitive load (LED dimming power supply) 8A inductive load (fluorescent lamp)	Size	L165 x W98 x H72mm	Warranty	5 years
		Gross weight	0.422kg		

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", 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.