



UPK8-DB



UPK4-DB

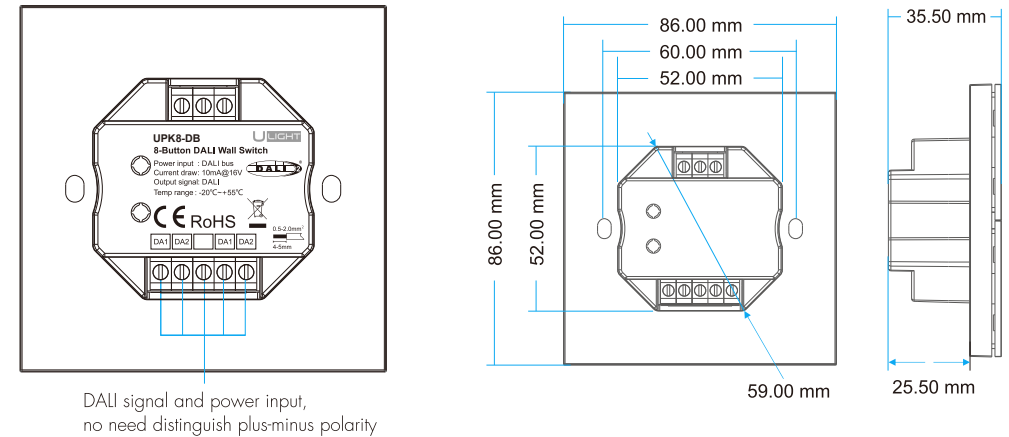


Features

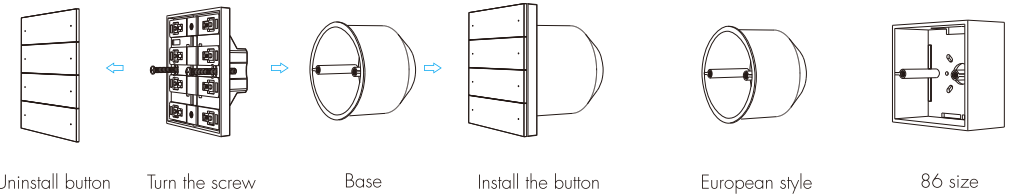
- DALI-2 input device with 8/4 push buttons according to IEC62386-101, 103, 301, 332.
- Suitable for integration and in combination with DALI-2 compliant central control units.
- Easy configuration via DALI-2 compliant central controller USB interface.
- Multimaster capable, multiple modules can be installed on the DALI line.
- Supports feedback functionality, each button have blue LED indicator.
- Powered by DALI bus.
- Provide a variety of button stickers, which can flexibly define the functions of each button.
Button label: ON/OFF, ON, OFF, scene, brightness+/-, color temperature+/-, etc.

Technical Parameters

| Input and Output | | Safety and EMC | | Environment | |
|------------------|------------|-----------------|-------------------------------|-------------------------|---------------------|
| Power | DALI bus | EMC standard | EN IEC 55015/ EN IEC 61547 | Operation temperature | Ta: -20 °C ~ +55 °C |
| Static current | 10mA@16VDC | | ETSI EN 301 489-1/-3 | Case temperature (Max.) | Tc: +65 °C |
| Output signal | DALI | Safety standard | EN 61347-1/-2 | IP rating | IP20 |
| | | Certification | CE RoHS DALI-2 | Package | |
| | | Warranty | | Size | L112xW112xH50mm |
| | | Warranty | 5 years | Gross weight | 0.169kg |

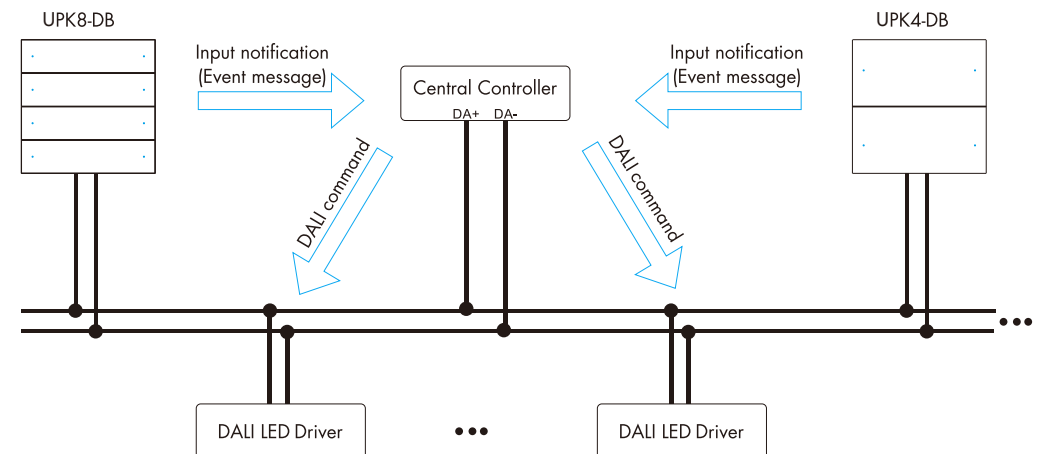


Installation diagram:



Typical base as below:

Wiring Diagram



Functional Application

The 8/4 button DALI wall switch (UPK8-DB/UPK4-DB) can be used as input device for the integration in DALI-2 compliant central lighting control systems.

Send the input event to the central control system through the switch button, the central control system receives the event for system judgment and then send DALI command to DALI driver (e.g. DALI dimming controller, DALI dimming driver), DALI driver executes dimming according to the command.

The 8/4 button DALI wall switch (UPK8-DB/UPK4-DB) provide 8/4 instances of type 1 (input device – push button). Instance 1-8: Push Button, Instance Type 1 (according IEC62386-301, Input Devices – Push Button).

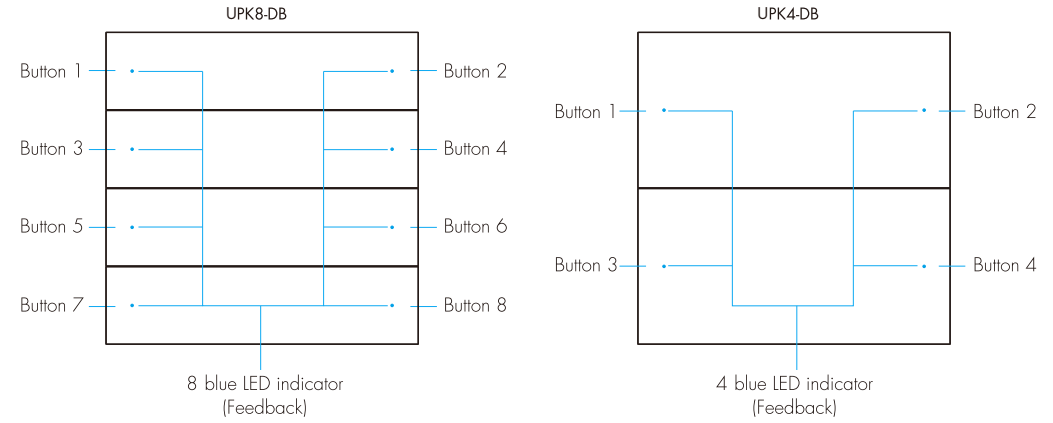
According to the standard the following input notifications are supported:

| Event name | Event Information | Description |
|-------------------|-------------------|--|
| Button released | 00 0000 0000b | The button is released |
| Button pressed | 00 0000 0001b | The button is released |
| Short press | 00 0000 0010b | The button is pressed and released, without being pressed quickly again (in case of double press enabled), or the button is pressed and quickly released (in case of double press is disabled) |
| Double press | 00 0000 0101b | The button is pressed and released, quickly followed by another button press |
| Long press start | 00 0000 1001b | The button is pressed without releasing it |
| Long press repeat | 00 0000 1011b | Following a long press start condition the button is still pressed, the event occurs at regular intervals as long as the condition holds |
| Long press stop | 00 0000 1100b | Following a long press start condition, the button is released |
| Button free | 00 0000 1110b | The button has been stuck and is now released |
| Button stuck | 00 0000 1111b | The button has been pressed for a very long time and is assumed stuck. |

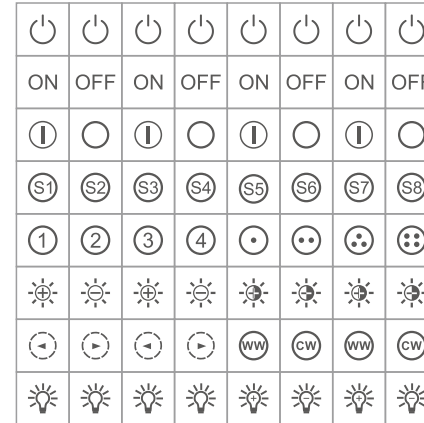
Additional instance parameters like event filter, event timings (short timer, double timer, repeat timer, stuck timer) can be configured according to IEC62386-301.

The 8/4 button DALI wall switch (UPK8-DB/UPK4-DB) support feedback function (the center controller must support IEC62386-332). The panel supports feedback to the user on system operation via the status of the blue indicator light. The default blue indicator is slightly lit. The blue indicator is brighter when the system is commanded to turn on the lights. When the system is subject to the OFF command, the blue indicator is slightly lit.

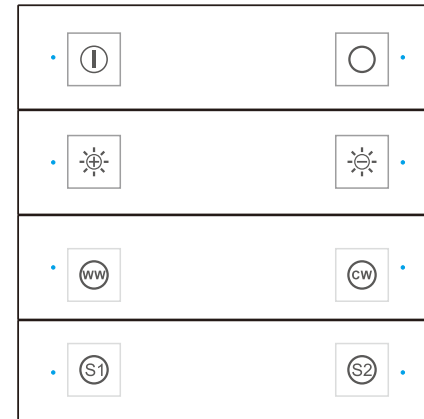
Push Button Function Label



Provide 64 transparent button stickers, please select the corresponding button sticker according to the button function configuration and paste it on the button:



UPK8-DB example labels



UPK4-DB example labels

