

DALI dimming application

Wiring diagram



Activating DALI dimming mode

After installation according to the wiring diagram of DALI dimming application, the driver will automatically switch to the DALI control mode after receiving any DALI command.

Remarks:

- Standard DALI control line voltage range: 9.5V-22.5V, type 16V
- The two DALI control lines polarity-reversible
- Maximum 64 DALI drivers per DALI control line
- Maximum distance length of the DALI control line: 300m at 2x1,5mm<sup>2</sup>
- DALI bus can be wired together with any mains voltage cables, but separate wiring is recommended
- The configuration parameters of the driver can be set through the DALI configuration tool or DALI application controller during installation, such as setting device address, group address, power-on level, bus-failure level, scene level, fade time, dimming curve, etc.

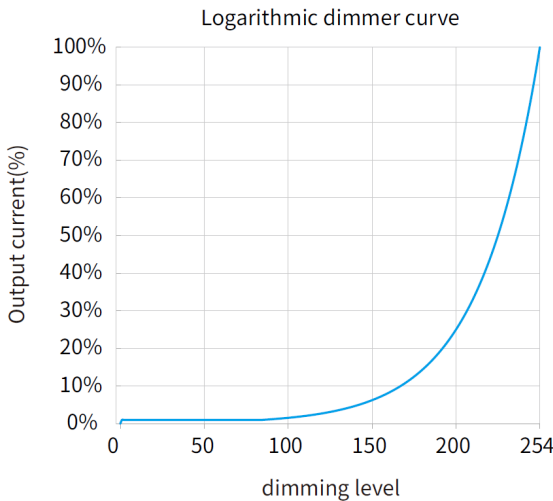
Cable size	Distance
2 x 0,50mm <sup>2</sup>	max. 100m
2 x 0,75mm <sup>2</sup>	max. 150m
2 x 1,00mm <sup>2</sup>	max. 200m
2 x 1,50mm <sup>2</sup>	max. 300m

Power-on level:

When the driver is in DALI2 dimming mode, the factory default level after each power-on is the brightest. The power-on level can be set through the DALI configuration tool or the DALI application controller during installation, and can be set to memory or fixed brightness (off, darkest, 50%, etc.).

Note: the factory default power-on level of the DALI2 driver is the brightest in the DALI2 standard.

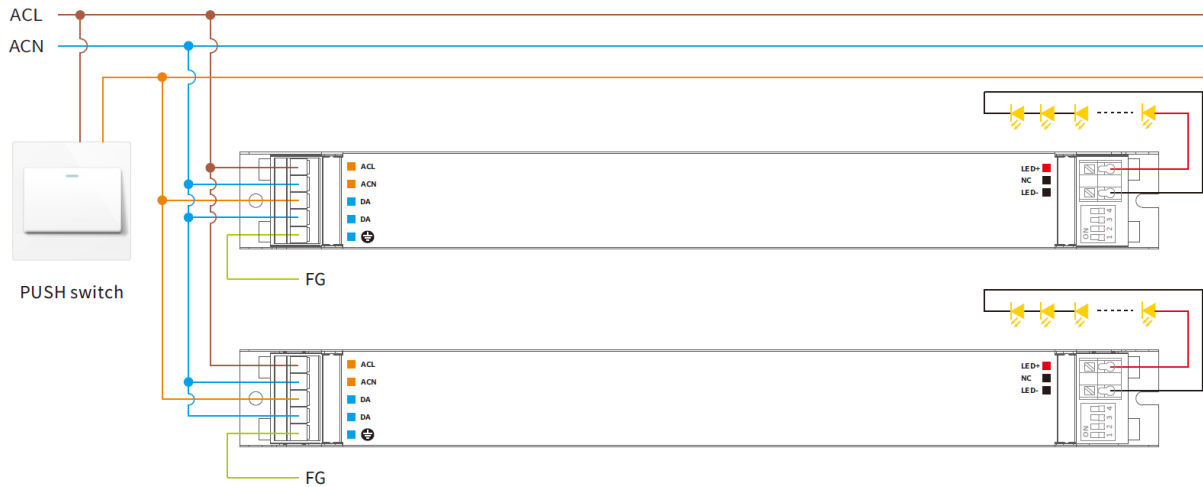
Dimming curve



Note: the dimming curve can be selected by DALI configuration. The default dimming curve is logarithmic.

## PushDIM dimming application

### Wiring diagram



### Activating pushDIM dimming mode

After installation according to the wiring diagram of pushDIM dimming application, long press the push button for 3 seconds. The driver will automatically switch to pushDIM dimming mode.

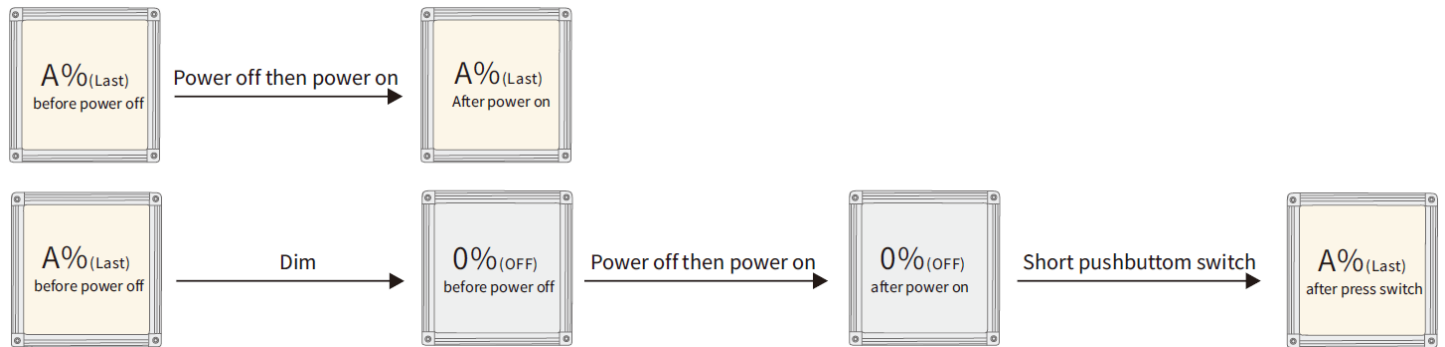
#### Remarks:

- Maximum 50 drivers per pushDIM control line
- Turn on or off: short press of push button: 0,2s-1s
- Dimming: long press push button: 1s-5s

#### Power-on status:

After powered on, the light will be the same as the last setting before powered off:

- If the light is on (brightness >0%) before powered off, the brightness will be the same after powered on again
- If the brightness is 0% after dimming before powered off, the brightness will be 0% after powered on again, short press the push button to get the same brightness as the last setting (before dimming to 0%)



### Multiple light synchronization control operation

#### Method 1:

1. Long press of the push button, confirm that every light is on
2. Short press of the push button, confirm that every light is off
3. Long press of the push button, confirm that every light is at the brightest and that all lights are synchronized

#### Method 2:

- Long press of the push button for 15s, all light output is at the brightest