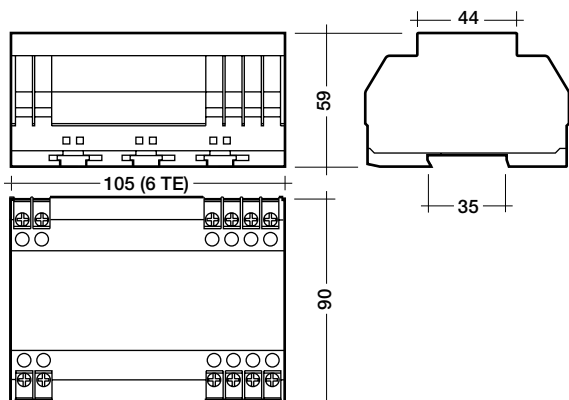


**DALI Phase dimmer (leading and falling edge)
for DIN rail**
**DALI-PCD/S
Phase dimmer (leading and falling edge) 40–1000 VA with preset**


Phase dimmer with automatic load detection-leading or falling edge. Control by means of a DALI or DSI signal or via momentary switch. Total connected load 40–1000 VA. Light value memory (Preset function)

Application

With the digital phase dimmer it is possible to dim LV halogen lamps in connection with electronic or magnetic transformers,

as well as ohmic light sources (incandescent lamps and HV halogen lamps) with a total connected load of 40–1000 VA.

Control by means of a DALI or DSI signal or via directly connected momentary light switches. In addition, the DALI-PCD/S allows the storage and the recall of any desired light value (Preset function).

Packaging:
single pack

Type		DALI-PCD/S	
article number:		22154332	
electrical supply:	nominal voltage	V AC	220–240
	permitted input voltage	V AC	207–264
	frequency	Hz	50/60
	connected load	VA	40–1000
	loss power	W	2 (15 W at full load)
input:	momentary switch input for calling up preset	–	1
	single or double momentary switch	–	1
	DALI/DSI control input	–	1
output:	dimmed phase	–	1
	control range	%	0; 1–100
mechanical details:	dimensions	mm	105 x 90 x 59 (6 TE à 17.5 mm)
	terminals	mm ²	0.75–2.5
	installation (horizontally in switch cabinet)	–	on 35 mm rail according to EN 50022
	housing material	–	flame-resistant polycarbonate; halogen-free
	weight	g	approx. 400
temperature:	permitted ambient temperature	°C	0 → +40
protection type:	IP 20		
other:	status LED for indication of operating state		
	5 A T microfuse		

Functional description

The DALI-PCD/S can be controlled via a DALI or DSI signal. This is the preferred option when several DALI-PCD/S should be controlled synchronously. In this case, operation takes place only via the device from which the DALI-PCD/S receives the DALI or DSI signal.

DSI operation: e.g. modularDIM BASIC

DALI operation: e.g. DALI GC, DALI SC, DALI Touch-panel

As an alternative to the operation by means of a DALI or DSI signal, the DALI-PCD/S can be operated via a locally connected momentary switch. The lighting can be switched or dimmed by means of the momentary switch inputs T↑ or T↓.

Double momentary switch control:

ON/OFF: short key pressure on T↑ or T↓

UP: long key pressure on T↑

DOWN: long key pressure on T↓

Single momentary switch control:

ON/OFF: short key pressure

UP/DOWN: long key pressure (alternating dimming direction at each key-press)

Preset function:

By connecting a commercially available momentary switch to the "Preset" input, it is possible to save and call up again any light value.

Saving and call up of a light value:

Adjust the light value by means of the momentary switch T↑ or T↓ and then hold the "Preset momentary switch" pressed (> 5 seconds).

Recall of the stored light values by a short pressure (< 5 seconds) of the "Preset momentary switch".

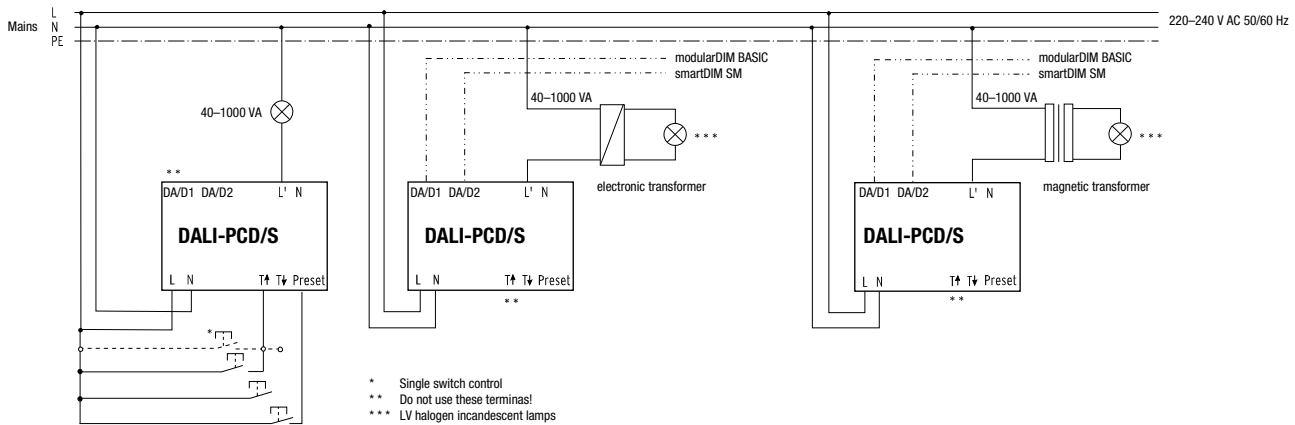
Notes

The DALI-PCD/S can be controlled either via a DALI signal or via directly connected momentary light switches.

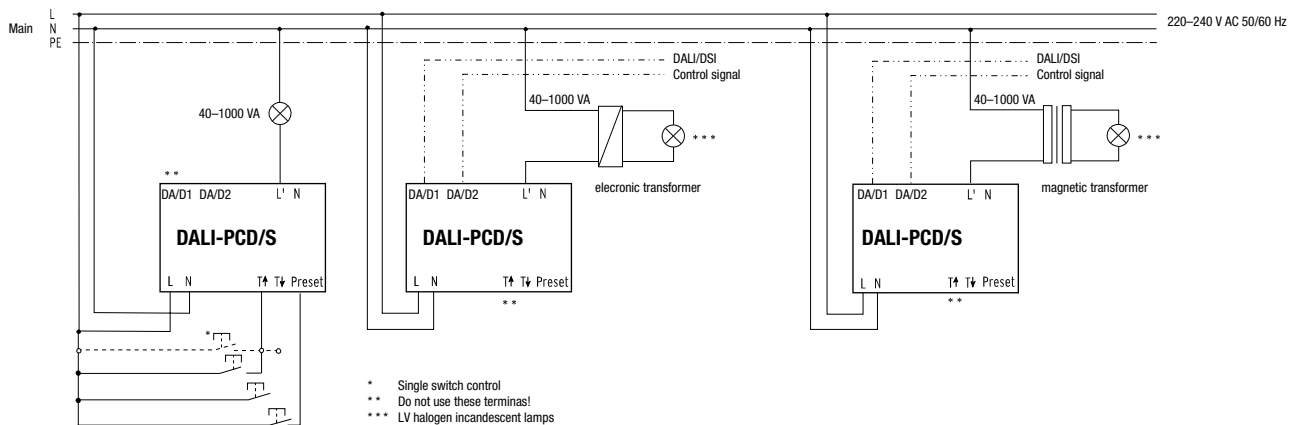
The automatic detection is performed after every power reset. If magnetic and electronic transformers are connected to an DALI-PCD/S at the same time, this will destroy the dimmer.

If the joint operation of several DALI-PCD/S is desired, the control must be accomplished via a DALI signal.

Please provide for sufficient heat dissipation within the switch cabinet, since the admissible ambient temperature of the DALI-PCD/S must not exceed 40 °C. The DALI-PCD/S must be mounted on the sides of the switch cabinet in horizontal position to ensure air-circulation through the housing slots.



Circuit diagram DALI-PCD/S in DSI- or momentary switch operation



Circuit diagram DALI-PCD/S in DALI- or momentary switch operation