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**DALI LED dimmer 16 A RGB  
DL-RGB-R16A-DC12+**

*Eltako*



**Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!**

Temperature at mounting location:  
-20°C up to +50°C.  
Storage temperature: -25°C up to +70°C.  
Relative humidity:  
annual average value <75%.

**DALI LED dimmer with RGB colour control  
for DIN-EN 60715 TH35 rail mounting.  
98x17,5x56 mm. Protection class IP20.  
Only 0.12 watt standby loss.**

Designed to **control constant** voltage LED modules (CV) at operating voltages of 12 V to 48 V.

Operating mode DT8: a DALI address to control brightness and colour DALI DT8, Type RGBWAF).

Operating mode Colour&Dim:  
activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2:  
Operation via 2 switch inputs permit brightness and colour to be controlled without DALI.

Dimming range 0.1%-100%.  
Switchable PWM frequency (122 Hz/  
244 Hz/488 Hz/976 Hz).  
Power voltage 12 V to 48 V DC (depending  
on operating voltage of LED modules).  
Connected current 16 A.  
The maximum connected current can be  
distributed to the channels as required.  
Low stand-by losses.  
High efficiency.  
Configuration via DALI Cockpit PC software  
and DALI USB interface.

**Operating modes:**

The device has several operating modes:

**DT8** (as-delivered state):

In this operating mode brightness and colour are controlled by a DALI address (Device Type 8). Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):

SwD1:  
brightness.  
Press pushbutton briefly: On/Off.  
Press pushbutton long: Dim.

SwD2:  
Colour

**Colour&Dim:**

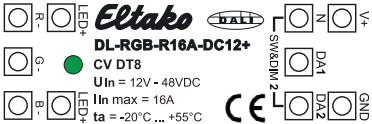
This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour).

Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2:  
DALI address 1, SwD1: brightness.  
DALI address 2, SwD2: Colour.

**Technical data**

Max. connected current	16 A
Screw terminals:	
Max. connection cross-section	2.5 mm <sup>2</sup>



**The crossed-out waste container indicates that batteries may not be disposed with other household or commercial waste.**

**Must be kept for later use!**

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