



DATA SHEET
light control devices
LT 1200 M

power dimmers for the distribution board, can be operated manually
 Article number 09500230



[Internetlink](#)

Function

Lighting control devices, depending on the design, allow the control of different lighting equipment. The main focus is the capability to smoothly adjust the lighting in order to create lighting scenes. The control devices have different power and available input signals in addition to the type of controllable lighting. Dimmers with rotary knob operation for power control of all established lights such as glow lamps, high and low-voltage halogen lamps with electronic or conventional transformers. The dimmer can either be operated as a leading edge or trailing edge dimmer. Rotary dimmers LT 500 M and LT 1200 M are additionally equipped with thermal overload protection, an electronic short-circuit fuse, overvoltage protection and a soft start function. Furthermore, the device has an electronic half-phase balancer and non-load monitoring. Pre-magnetisation can therefore be avoided when connecting conventional mains transformers and when overvoltage occurs during non-load operation.

Features

dimming power LT 500 M: 10 VA - 500 VA, dimming power LT 1200 M: 40 VA - 1200 VA, leading and trailing edge dimmers, overload protection, visual feedback of active dimming output

Mounting

quick fastening to mounting rail, any installation position

Applications

The rotary dimmers are especially suitable for lighting control in cinemas and restaurants, Using the dimmers can save energy.

Notes

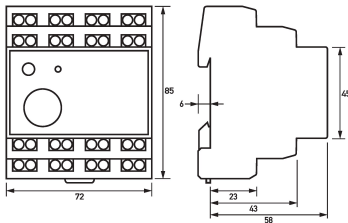
The function is not guaranteed to dim compact fluorescent lamps (energy savings lamps) or LED lights.

Technical Data

Technical Data	LT 1200 M
Series	LT 1200 M
Manual operating mode possible	true
Operating voltage (AC)	230 V (207 V ... 253 V)
Operating frequency	50 Hz
Internal consumption	max. 14 W
Type	Display operation, fault LED (red)
Type	Display switch position rotary knob (black)
Number	1
Rated voltage (AC)	230 V
Rated power	40 VA ... 1200 VA
Rated frequency	50 Hz
Type overload protection thermal	Load shut-down when temperature threshold is exceeded (automatic restart once the temperature has dropped below the limit)
Load types phase cut-off	light bulbs, HV halogen lamps, NV halogen lamps, electronic transformers
Load types phase cut-on	light bulbs, HV halogen lamps, NV halogen lamps, wound transformers
max. rated power glow lamps	1200 VA

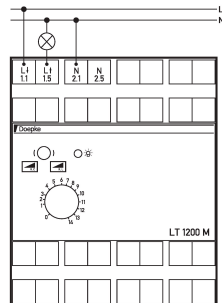
Technical Data	LT 1200 M
max. rated power HV halogen lamps	1200 VA
max. Rated power low-voltage halogen lamp	1200 VA
	screw-type terminal top and bottom
Clamping area	0.4 mm ² ... 2.5 mm ²
Cross section solid	1-wire: 0.4 mm ² ... 2.5 mm ²
Cross section stranded	1-wire: 0.4 mm ² ... 1.5 mm ²
Tightening torque	max. 0.64 Nm
	General data
Operating position	optional
Ambient temperature	-10 °C ... 45 °C
Permissible humidity	max. 85 %
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Housing material	polycarbonate (PC)
Protection class	IP20
Width	72 mm
Height	85 mm
Depth	77 mm
Installation depth	70 mm
Module widths	4
Design requirements/Standards	EN 60669-1

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram