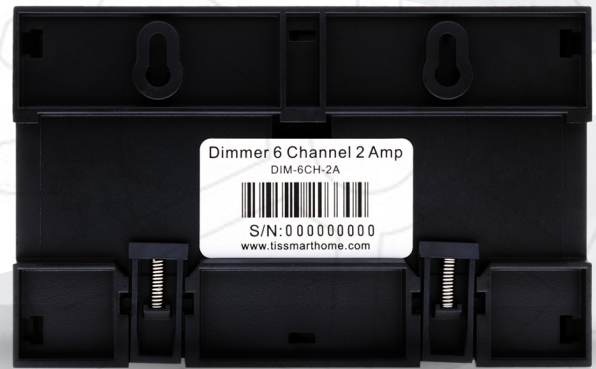# TIS

TIS Leading Edge Dimmer

6 Channels 2 Amps
Model: DIM-6CH-2A

Products Datasheets V3.1

OVERVIEW

These dimmers are DIN-rail mountable modules function with TRIAC technology and can be utilized to dim (control brightness of) incandescent and halogen lights. Even more, this solution's capabilities are not limited to lights. Ceiling fans are also controllable with LE Dimmers. And thanks to high fuse protection, your electrical appliances stay intact in the case of any current overload/shortage.

Also, the LE Dimmer's functionality is not limited to the number of lights; since this solution works in the TIS-BUS system, it can be linked to another module to dim as many lights as you want simultaneously.

KEY BENEFITS

- 👍 6 Dimmable channels
- 👍 6 Buttons for Manual ON/OFF
- 👍 DIY Programming
- 👍 Works with TIS-BUS Protocol

KEY FEATURES

- ⭐ Standard 35 mm Din-Rail Mounted
- ⭐ Load voltage 110/230 V AC 50/60 Hz
- ⭐ 2A Current per channel
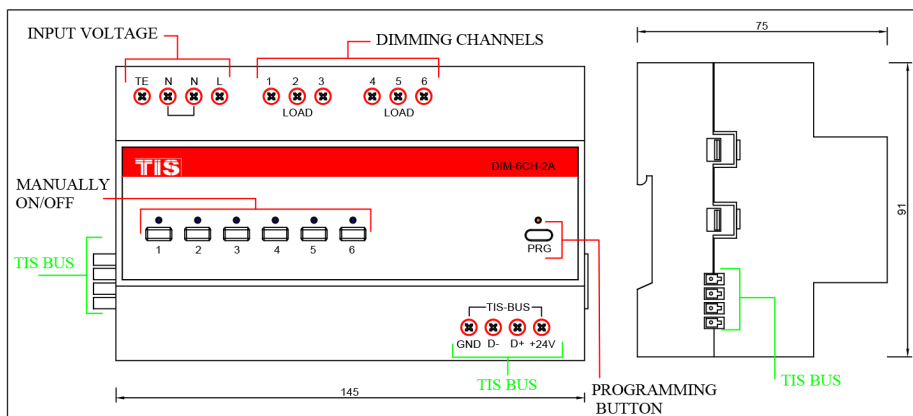- ⭐ Over current, over heat, over load protection

CE RoHS COMPLIANT P C T

TIS Leading Edge Dimmer
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PRODUCT CHARACTERISTICS

Outputs	Number of channels	6	
	Nominal voltage	110/230 V AC 50/60 Hz	
	Nominal current per channel	2 A	
	Maximum total channel load	10 A	
TIS Bus	Number of devices on 1 line	Max. 64	
	Bus voltage	12-32 V DC	
	Current consumption	<30 mA / 24 V DC	
	Protection	Reverse Polarity Protection	
Protection	Over current	6x internal Fuse aR class 4A	
	Over heat	Internal temp sensor protection	
	Over load	Dimmer coil max load up to 4A	
	Heat sink	Aluminum alloy with straight fin	
Reaction time		Approx. 20ms	
Mounting	Din Rail	Standard 35 mm Din-Rail	
	Wall mount	screw holder on the back of the module	
Connection terminal	Load and Power	Screw terminal 0,25…4mm^2	
	Data / bus	Male female connectors link + screw terminal	
Operating and display elements	Programming button/LED	For assignment of the physical address	
	1-6 buttons	Manual ON/OFF and Programming	
	By TIS-BUS	TIS Protocol messages and commands	
	Programming	Manual basic Prog, or via software.	
	Upgrading	1 X mini USB for up-to-date upgrading.	
Functions	Lighting Control Dimming	6 channels controlled separately	
	Scenes	6 different scenarios	
	Sequences	6 different sequences	
Weight	Without packaging	0.6 KG	
Dimensions	Width x length x height	91mm x 145mm x 75mm	
Housing	Materials	ABS anti fire	
	Casing color	Black Gray	
	Button color	Silver	
	IP rating	IP 20	
Temperature range	Operation	-10...45°C	
	Storage	-20...50°C	
	Transport	-25...75°C	
Air humidity		<85% non-condensing	

INPUT VOLTAGE
DIMMING CHANNELS
TE N N L
1 2 3   4 5 6
LOAD   LOAD
DIM-6CH-2A
MANUALLY ON/OFF
1 2 3 4 5 6
PRG
TIS BUS
TIS-BUS
GND D-   D+ +24V
TIS BUS
PROGRAMMING BUTTON
TIS BUS
75
91
145