



# TIS LEADING EDGE DIMMER

Dimmer controller with two channels

Data Sheet Rev 3.2

Model: DIM-2CH-6A



## OVERVIEW

The LE controller operates over TRIAC technology to intelligently adjust the brightness level of incandescent and hallogen lights. If programmed, it can be utilized for integrating ceiling fans into home automation system.

### KEY BENEFITS

- + Integratable with other TIS solutions
- + Automatic plus manual ON/OFF controls
- + Simple programming & setting
- + Minimizes energy wastage

### KEY FEATURES

- ★ Compatible with resistive & inductive loads
- ★ Programmable for scenes & presets
- ★ Controllable via TIS App
- ★ Ideal for indoor use



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











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## PRODUCT SPECIFICATIONS

	<b>I/O Load Voltage</b>	Number of channels	2
		Nominal voltage	110/230 V AC 50/60 Hz
		Nominal current per channel	6 A
		Maximum total channel load	10 A
	<b>TIS Bus</b>	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
	<b>Protection</b>	Over current	2x internal fuse aR class 8A
		Over heat	Internal temp sensor protection
		Over load	Dimmer coil max load up to 10A
		Heat sink	Aluminum alloy with straight fin
	<b>Reaction time</b>		approx. 20ms
	<b>Operating and display elements</b>	Programming button/LED	For assignment of the physical address
		1-2 buttons	Manual ON/OFF and programming
		By TIS-BUS	TIS protocol messages and commands
		Programming	Manual & via software
	<b>Mounting</b>	Upgrading	1 X mini USB for upgrading
		Din-Rail	
		Wall mount	
			Standard 35 mm Din-Rail screw holder on the back of the module
	<b>Connection terminal</b>	Load and Power	Screw terminal 0,25...4mm <sup>2</sup>
		Data / bus	Male female connectors Link + screw Terminal
	<b>Functions</b>	Lighting Control Dimming	2 separately controllable channels
		Scenes	4 different scenarios
		Sequences	6 different sequences
	<b>Weight</b>	Without packaging	500g
	<b>Dimensions</b>	Width × Length × Height	144mm × 76mm × 90mm
	<b>Housing</b>	Materials	ABS fire proof
		Casing color	Black Gray
		Button color	Silver
		IP rating	IP 20
	<b>Temperature range</b>	Operation	-10...45°C
		Storage	-20...50°C
		Transport	-25...75°C
	<b>Air humidity</b>		<85% non-condensing



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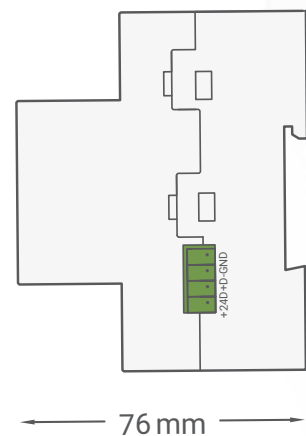
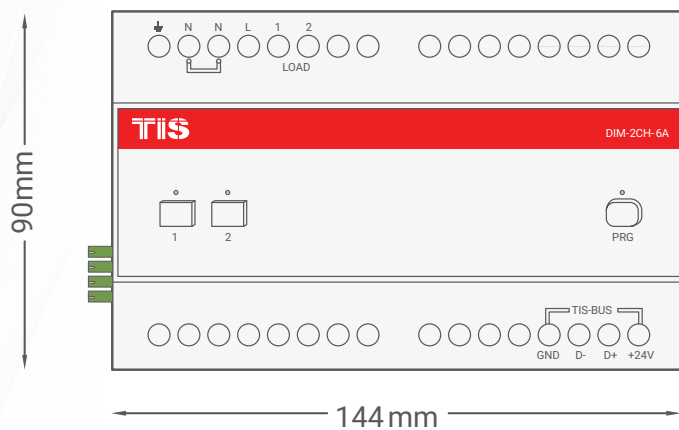
TIS CONTROL LIMITED  
Wanchai, Hong Kong

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