

RGBW LED DIMMER MODULE

CH039

v1.0

Product features:

- To be installed in the wall behind switches or fixtures
- 2 switch inputs
- 4 dimmer outputs (12-24V load)
- Recommended for 4 channel (RGBW) LED light sources
- Optional 2 feedback LED outputs
- Optional external temperature sensor
- Status LED



Parameter	Condition	Value			Unit
		Min	Typical	Max	
Module power supply			12,0	15,0	V
Power uptake			17,0	60,0	mA
LED channel power supply		12,0		24,0	V
LED channel max load	by channel			10,0	A
LED channel max load	total			20,0	A
Indicator LED power supply			12,0		V
Indicator LED power consumption	by channel			8,0	mA

Module label	Function
BUS/+	+12Vdv
BUS/D	LS bus data line
BUS/-	ground
BTNS/2	Button2 input
BTNS/C	Pushbutton common
BTNS/1	Button1 input
LED/2	Indicator LED for #2 button
LED/G	LED ground
LED/1	Indicator LED for #1 button
TMP/-	Power supply (+5Vdc) for thermometer
TMP/D	Thermometer signal
TMP/+	ground for thermometer
W	Brightness-controlled output (white channel)
B	Brightness-controlled output (blue channel)
G	Brightness-controlled output (green channel)
R	Brightness-controlled output (red channel)
GND	12/24V network ground
GND	12/24V network ground

Status LED	Indication
slow flash	bootloader mode (first 3 sec after power supply)
frequent flash	software started and running
2 short blink	traffic

Environmental parameters	
Safety rating	IP 20
Temperature resistance	0-40 °C



CISPR 24 /IEC 61000-4-3/2006-09
 CISPR 24 /IEC 61000-4-6/2014-05
 CISPR 322015-11
 EN 550152013-11
 EN 505812013-02

Before installation, please study the
Chameleon Electrical installation guide!



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