

PROLUCENT

POULTRY LIGHTING

Safety Dimmer

4 channel dimmer for low voltage lamps with current monitoring

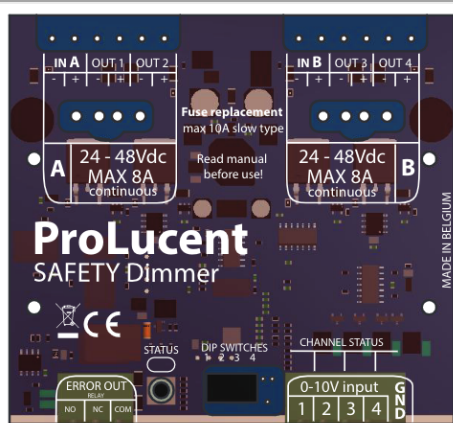


SKU

PLD04801

ProLucent PWM Safety Dimmer

Specifications



General

Product name	Prolucent PWM Safety Dimmer
Description	4 channel dimmer for low voltage lamps with current monitoring
Benefits	<ul style="list-style-type: none"> - Safety function: system shuts down when faults in the connected lamps are detected - No flicker due to high Pulse Width Modulation frequency for limited stress on animals - Auto slow fading: to avoid stress induction
Typical use	Dimmer for Prolucent T1+ or T2+ lamps
Warranty	2 years

Electrical

Voltage	14-48V DC
Max Power	Max 2x 8A
Connectivity	<ul style="list-style-type: none"> - 2 Power inputs: A and B, max 48VDC, max 8A / input - Dimmed outputs: 2 outputs for each power input -> 4 in total - 4 Control inputs: to control the dim levels of 4 channels Can be used as 0-10V input or to connect potentiometer (10K potmeter) - Error output : contact free (relay), NO and NC output
Working temperature	- Ta max: 45 °C
Dimming	<ul style="list-style-type: none"> - Smooth and slow fading - High PWM frequency > 2kHz

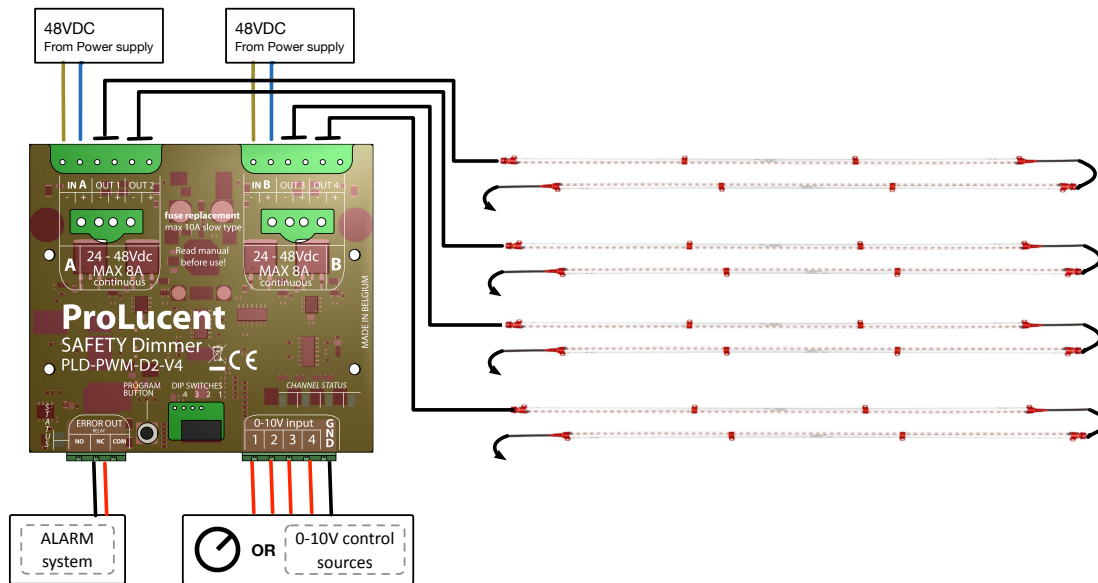
Safety functions

Protection	Overheating and overload protection
Safety functions	<ul style="list-style-type: none"> - Monitoring of changes in output current to detect issues or faults in the connected lamps and wiring. Corresponding output shuts down when fault is detected, and error output is switched. - Individual monitoring for each output channel - Led for each output channel indicates channel status - Cable break detection - Auto power reduction for Prolucent 2 channel lamps (T2+)

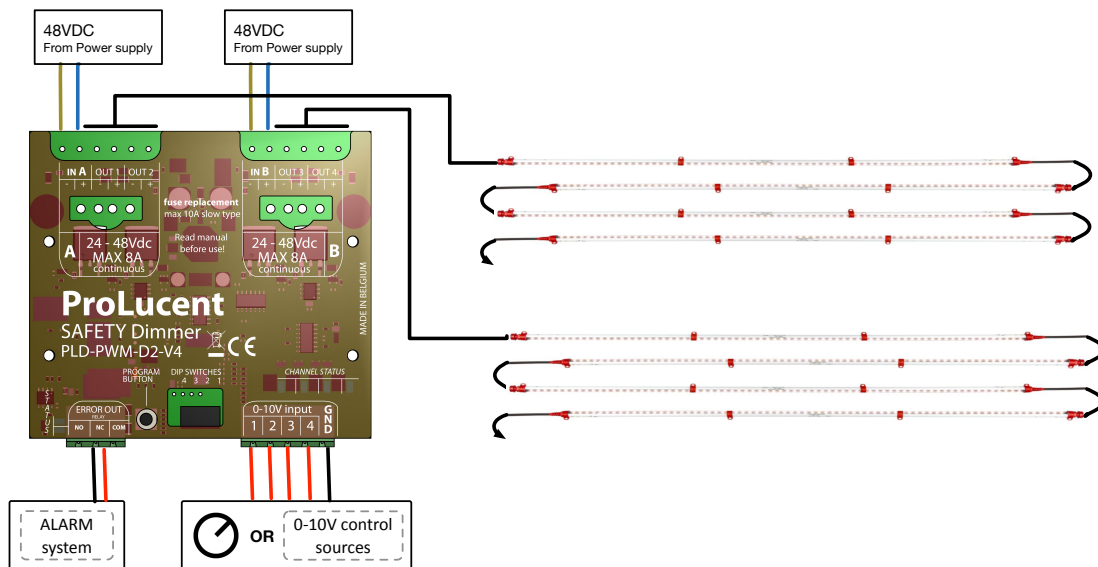
Mechanical

	Din rail mountable
Dimensions	95x100x44mm
Certification	CE (manufactured in Belgium)

Typical connection



Use example with ProLucent T1+ tubes



Use example with ProLucent T2+ tubes

Weight & packaging

Cardboard box with 1 pcs - 130g

Find a worldwide distributor's list on www.prolucent.lighting

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