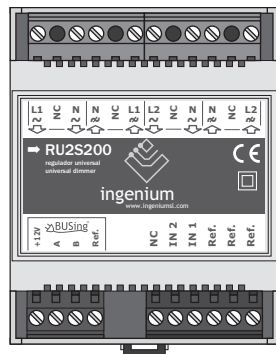# dimmers

➡ RU2S200

2-channel universal regulator, triac dimmer with BUSing® control

To regulate LED, incandescent or halogen lighting, with or without incorporated transformer.

· *2-channel regulation*
· *Protection against overloads*
· *Digital control using a 200 regulation points Micro-Controller*
· *DIN rail mounted (4 modules) or in distribution box with depth 70mm*

ℷBUSing®

Description

RU2S200 is a proportional universal actuator to regulate 2 channels with a maximum of 200W each. This device allows the regulation of any type of load, be it halogen, incandescent or LED, with or without incorporated transformer. It is prepared to avoid the problems of flickering, incompatibilities or other inconsistencies resulting from lighting regulation.

Designed for achieving a precise digital regulation, receiving commands via the bus or from conventional push buttons connected to its inputs, using standard control long/short keystroke.

Using the Development System software (SIDE) is possible to configure the ramp control (progressive on-off lighting), or lower limit and upper limit.

Applicable power supplies depending on the load[1]

· LED lighting load 200W
· Incandescent or halogen loads 230V AC 200W
· Low Voltage loads with a conventional transformer[2] incorporated............................. 160W
· Low Voltage loads with a electronic transformer[2] incorporated 110W

(1) Estimated power calculated with the losses of each type of lighting.
(2) When using transformers, they must be LEADING EDGE or TRAILING-LEADING EDGE type.

Inputs

· 2 digital inputs low voltage (SELV) 5V, minimum activation current 5mA.
· For pushbutton (non-programmable input linked to the output of the device).

Outputs/Channels

· 2-Channel regulation.
· Max. 200W per channel.
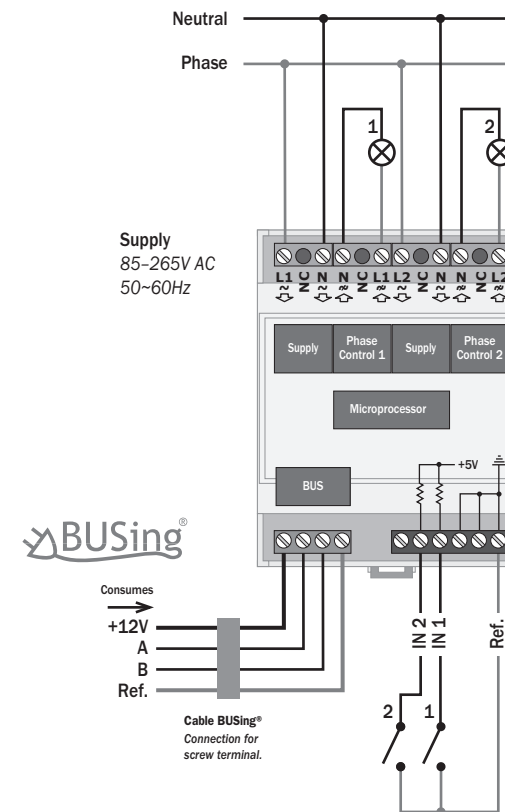· A minimum load of 10W per channel is required.

Technical Characteristics

Device Reference	Voltage Supply	Current Consumption	No. Inputs	Max. Power per Output	No. Outputs
RU2S200	85–265V AC 9–16V DC (BUS)	30mA* (BUS)	2	200W	2

* with connection to 230V AC.

➡ RU2S200

Installation

RU2S200 output wiring
Maximum power per output 200W.

Neutral

Phase

Supply
85–265V AC
50~60Hz

Key

⊗ Light/LED

╱ Switch

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Consumes
+12V
A
B
Ref.

Cable BUSing®
Connection for screw terminal.

IN 2
IN 1
Ref.

RU2S200 input wiring
All inputs are SELV.
They are internally referred to 5V and they are activated when connected to Ref.