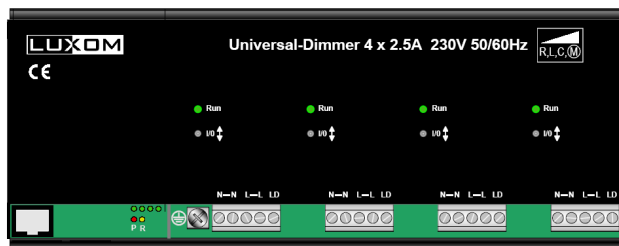


**TECHNICAL DESCRIPTION**

This universal dimmer is suitable for dimming incandescent lamps, mains halogen lamps and low voltage halogen lamps with wound or electronic transformers.

The dimmer consists of 4 independent channels. Each channel has a galvanic separation from the mains circuit and can dim a load up to 570VA per channel on a 230V mains circuit. (Max. 2.5A with an ambient temperature of 40°C)

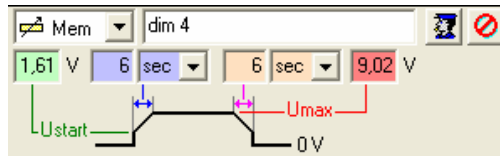
Each channel is controlled by a 0-10V control signal. This control signal can be delivered by a Luxom DS20C dim controller or by any device that is able to send 0-10V control signals.



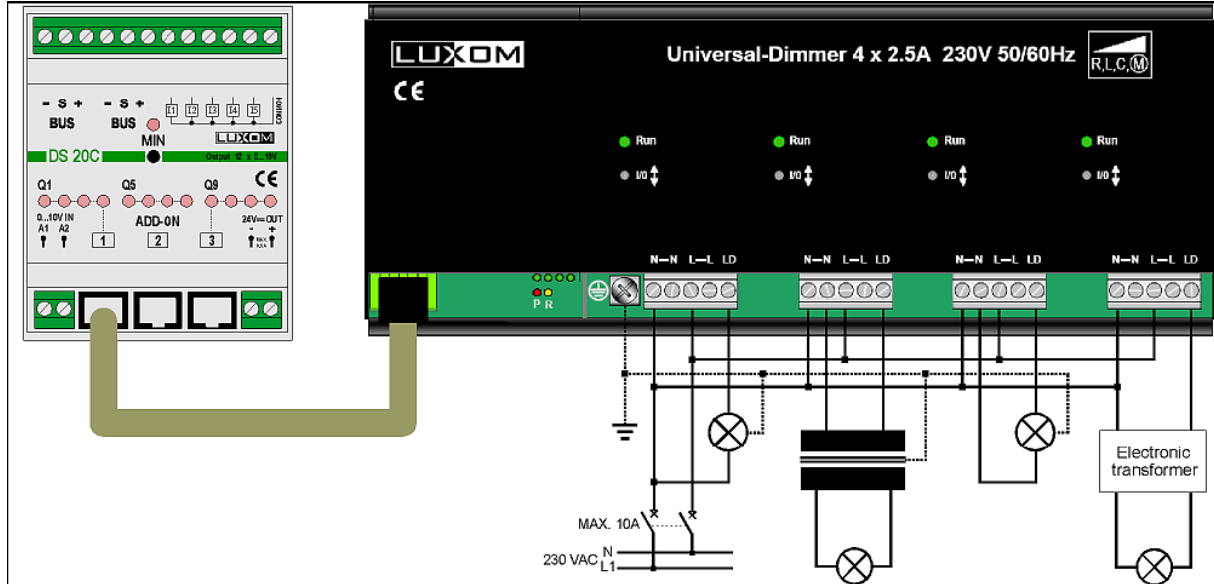
TECHNICAL DATA	
BUS connection	no
Power supply	230VAC ± 10% - 50 / 60Hz
Installation	DIN-Rail
FUNCTIONAL DATA INPUTS	
Number of inputs	4
Input type	0-10V
Start Voltage	1.5V
Voltage range	1.6V (Ustart) ... 9V (Umax)
Connectors	0.8mm <sup>2</sup>
Galvanic separation from mains	Yes
FUNCTIONAL DATA OUTPUTS	
Number of outputs	4
Max. power / channel	600VA (at 240VAC mains)
Max. power / module	2400VA (at 240VAC mains)
Thermal protection	Yes
Short-circuit protection	Yes
Minimum load	5 VA (resistive)
Connectors	2.5mm <sup>2</sup>
Warranty	3 years
Ambient temperature	0 to 40° C
Protection	IP 20
Dimensions LxWxH	234 x 90 x 44 mm
Number of DIN-rail modules 18 mm	13

Control LEDs (to the right of the 0-10V connector)	
Red	ON: Dimmer ON OFF: Dimmer OFF
Yellow	Flashing = OK
Green 1...4	Status of channel 1...4 (>0%=led on)

## SETUP Ustart / Umax (In Luxom DS20C dim controller)



## WIRING DIAGRAM



### **CAUTION!**

The load is never disconnected from the mains, even when the dimmer is OFF!

### Notes:

- The I/O buttons on the module are not operational when 0-10V signals are measured by the dimmer
- Channel 1 gives power to the 0-10V inputs. If channel 1 is not connected to the mains, the other 3 channels will not work!

## POWER IN FUNCTION OF AMBIENT TEMPERATURE

