

TECHNICAL DESCRIPTION

The DS08L is a Luxom network unit with an on board controller for decentralised management of up to 12 relay ports. (no master controller is needed)

The module is equipped with 8 relay ports which can be extended to 12 with an add-on module.

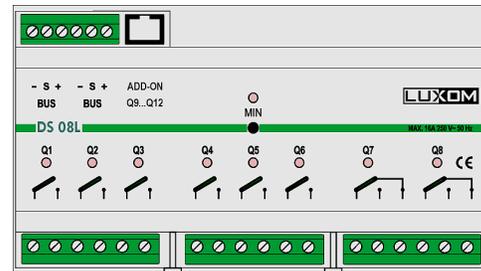
Each separate relay on the DS08L module has a dry contact rated 250 VAC/16A.

Every relay is protected against high currents with a VDR resistor and is equipped with a LED for status feedback.

The configuration of this module is done via the Luxom network and is stored on board in a non volatile memory.

After a power failure, every output can individually be set-up to stay OFF, to go ON, or to revert to the state before power failure. (status is stored on the module)

The on-board software features are very powerful and easy to use.



TECHNICAL DATA

Product ID	200
Supply voltage	24 VDC
Power consumption	Max. 5VA
Installation	DIN-rail mounting
Number of bus connections	2
Connection BUS	2.5 mm ²

FUNCTIONAL DATA CHANNEL Q1 – Q8

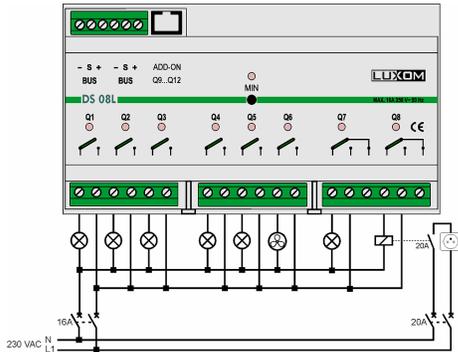
Relay outputs	6x NO contact, 2x switch-over contact
Relay contact	Potential free
Switch voltage	Max. 250 VAC
Switch current	Max. 16A
Connection	4 mm ²
Switch capacity ohmic load ($\cos\phi=1$)	Max. 4000 VA
Switch capacity inductive load ($\cos\phi=0,4$)	Max. 1000 VA
Minimum requested load	100 mA at 5V

FUNCTIONAL DATA CHANNEL Q9 – Q12 (RJ12 connection)

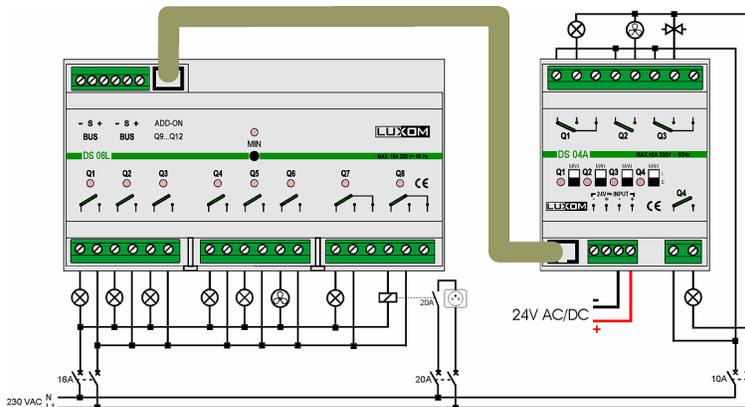
Transistor (low-power)	10V / 2 mA
------------------------	------------

Warranty	3 years on exchange (excluding relays and connectors)
Operational temperature	0° to 50° C
Protection level	IP 20
Dimensions LxWxH	162 x 90 x 62 mm
Number of DIN-rail modules 18 mm	9 (without add-on module)

WIRING DIAGRAM



WIRING DIAGRAM WITH ADD-ON DS04A



Note: Because the outputs on the module DS08L are protected against high currents with VDR resistors it is not recommended to control shutters with these outputs. There is a risk of damaging the VDR resistors. This is possible only by using the specially designed add-on modules for motor control (DS04A and DS34A).

For more connection diagrams we refer to the 'Wiring diagrams.pdf' file.

ON BOARD SOFTWARE FEATURES

Every output can individually or in group be:

Toggle

Turned ON

Turned OFF

Locked

Turned ON after a delay

Turned OFF after a delay

Turned ON for a time

Turned OFF for a time

Set to blink (Alarm mode)

Multiple modes on the same outputs are easy to set-up.

The delays can be configured from 0.05 sec to 170 hours for all kinds of applications.

Outputs on the same or on a different module can be set-up to listen to each other for applications such as a bathroom light that has to start and stop the bathroom fan with all possible delays.