

TECHNICAL DESCRIPTION

This module can be used as:

1- Motion detector: This very sensitive detector allows you to detect all motion within a specific radius.

This module converts motion to a low-voltage signal.

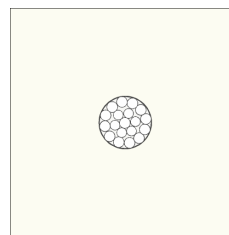
The low-voltage signal is an NPN type transistor output and can be used on any input of the Luxom system.

2- LED lighting: This durable and energy efficient LED lighting can be switched on together with the detector, or completely independent of it, through the BUS.

When wired to the Luxom system the detector can be configured to switch on the normal lights, and/or whether the built-in LED lighting has to be switched on.

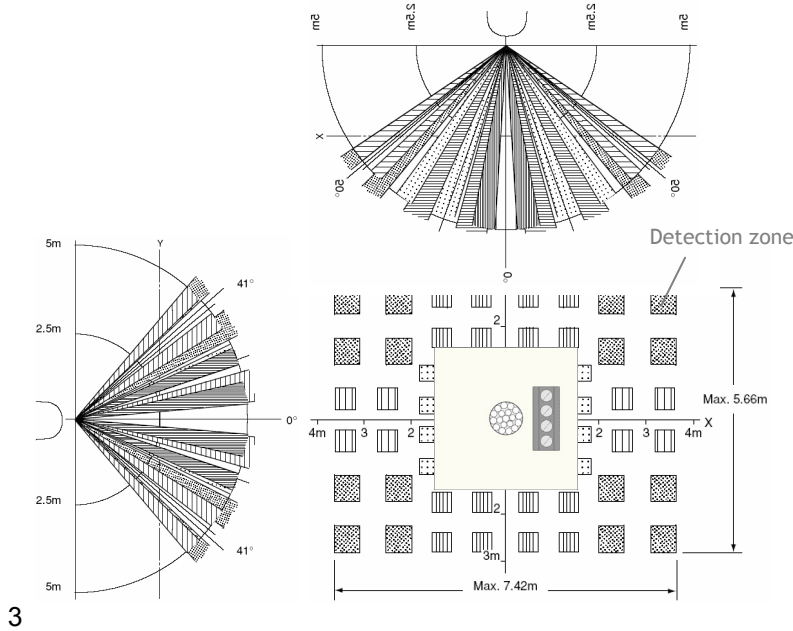
This module is used to automatically switch on and off lighting in houses and buildings.

It is mainly used in hallways, storage rooms, open offices and toilets and showers.



TECHNICAL DATA	
Product ID	-
BUS connection	no
Power supply	12...24 VDC
Electrical consumption	Stand-by: 0.12VA - with LED lighting on: 0.8VA
Number of inputs	1 (to control LED lighting)
Number of outputs	1 (status motion detector)
Screw terminals	1.5 mm ²
Installation	Wall mount (European standard 45x45mm) For ceiling mount: use adaptor LU0401
Installation depth	min. 30 mm
Ceilingmount with springs	Yes, via adaptor LU0401 (to be ordered separately)
FUNCTIONAL DATA MOTION DETECTOR – TERMINAL P	
Detection range	360° (more data on next sheet)
Output type	Transistor NPN
Voltage range output	5...24VDC
Max. Current output	50 mA
Max. Distance between motion detector and input	See binary input characteristics
Delay	Time 1: 1 sec...4 min Time 2: 2 sec...8 min
Delay control	Via potentiometer
Initialization procedure at power up	At power up the signal output 'P' is set to high for the period of set delay time.
FUNCTIONAL DATA LED LIGHTING – TERMINAL SW	
Colour LEDs	White
Input type	TTL
Vltage range input	5V MAXIMUM !!
Warranty	3 years
Ambient temperature	0 to 50° C
Protection	IP 20
Dimensions LxWxH	45 x 45 x 32 mm
Number of DIN-rail modules 18 mm	-

DETECTION RANGE



NOTE:

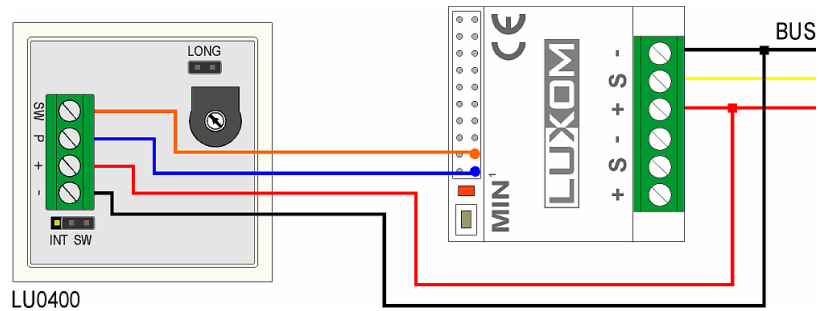
This detector has a square detection zone (7,4m x 5,6m).
Keep the orientation in mind when installing this module.
The screw terminal is perpendicular to the widest detection zone.

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WIRING DIAGRAM → IO MODULE

SW = input to control LED lighting

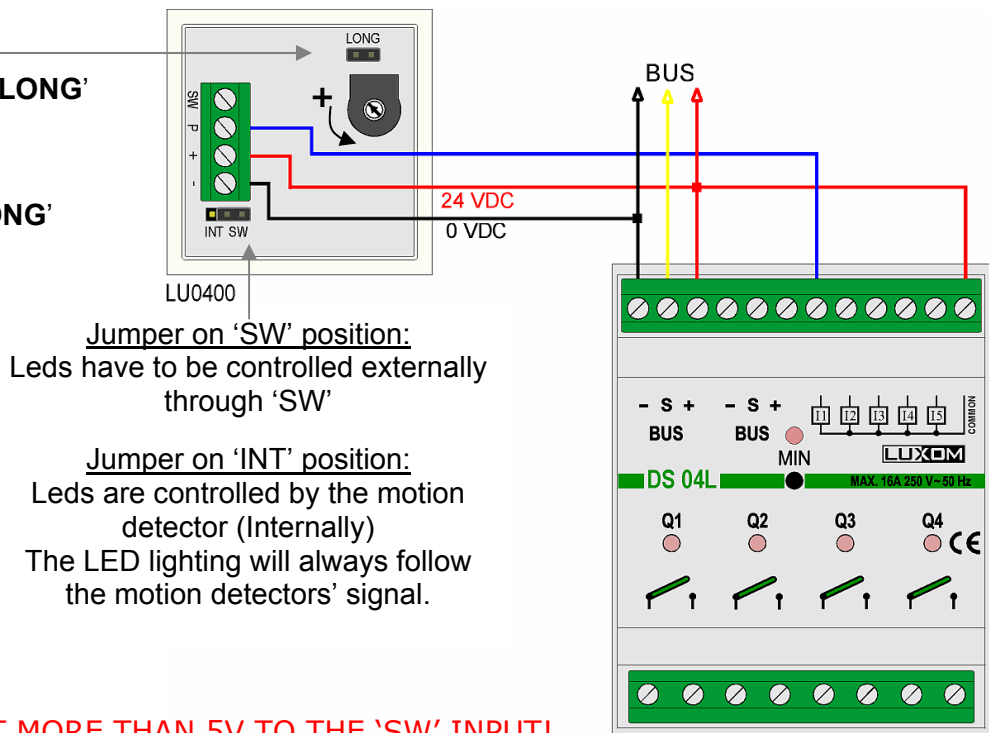
P = motion detector signal



WIRING DIAGRAM → BINARY INPUT

For time 1:
Remove jumper 'LONG'
(1sec...4min)

For time 2:
Place jumper 'LONG'
(2sec...8min)



Jumper on 'SW' position:
Leds have to be controlled externally through 'SW'

Jumper on 'INT' position:
Leds are controlled by the motion detector (Internally)
The LED lighting will always follow the motion detectors' signal.

CAUTION!
NEVER CONNECT MORE THAN 5V TO THE 'SW' INPUT!