



Light built into furniture and architecture

**Switches and sensors
and its components
catalogue**



Contents

■ RANGE 01

Switches and sensors

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How to read an entry

-  Voltage
-  Power
-  Ingress protection
-  Warranty
-  Dimensions
-  Colour temperature

The code under each title is the one to quote when you write to us.

A datasheet link closes the entry where one is published.

RANGE 01 · LED LIGHTING

Switches and sensors

21 PRODUCTS IN 3 CHAPTERS



Chapters

Sensor switches

16 products

7

Profile-mounted switches

4 products

17

Mechanical switches

1 product

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Ask by code

Every entry prints its code.



Specifications as published

Datasheet linked where there is one.



Availability on request

Availability, pricing and lead times on request.

AT A GLANCE

Switches and sensors at a glance

CODE	NAME	CHAPTER	VOLT.	POWER	DIMENSIONS, MM	VARIANTS
 D-D1p	Sensor switch for doors (recessed)	Sensor switches	12/24 V	30 W	–	2
 D-D5p	Double sensor switch for doors (recessed)	Sensor switches	12/24 V	30 W	–	3
 D-D8p	Triple sensor switch for doors (recessed)	Sensor switches	12/24 V	30 W	–	3
 D-D2b	Sensor switch for doors (surface)	Sensor switches	12/24 V	30, 60 W	–	3
 D-D6p	Double sensor switch for doors (surface)	Sensor switches	12/24 V	30, 60 W	–	3
 D-D9p	Triple sensor switch for doors (surface)	Sensor switches	12/24 V	30 W	–	1
 D-R2p	Hand movement sensor switch (surface)	Sensor switches	12/24 V	30 W	–	1
 D-R1p	Hand movement sensor switch (recessed)	Sensor switches	12/24 V	30 W	–	1
 D-T1b	Touch dimmer sensor switch (recessed)	Sensor switches	12/24 V	30 W	–	2
 D-T1al.	Touch dimmer sensor switch aluminum (recessed)	Sensor switches	12/24 V	30 W	–	1
 D-T2p	Touch dimmer sensor switch (surface)	Sensor switches	12/24 V	60 W	8	1
 D-T3	Touch dimmer sensor switch through wood/glass/mirror	Sensor switches	12/24 V	48 W	8	1
 D-J1p	PIR motion sensor switch (recessed)	Sensor switches	12/24 V	30 W	–	1
 D-J2p	PIR motion sensor switch (surface)	Sensor switches	12/24 V	60 W	55	1

CODE	NAME	CHAPTER	VOLT.	POWER	DIMENSIONS, MM	VARIANTS
D-R1	Hand movement sensor switch (recessed)	Sensor switches	12/24 V	30 W	–	1
D-R2	Hand movement sensor switch (surface)	Sensor switches	12/24 V	30 W	–	1
D-PR1	0V Memory Touch Switch Dimmer	Profile-mounted switches	12/24 V	192, 96 W	46	1
D-PR2	Proximity Sensor Switch With Dimmer	Profile-mounted switches	12/24 V	96 W	55	1
D-PR3	0V Memory Move Sensor Switch Dimmer	Profile-mounted switches	12/24 V	96 W	46	1
	Soft start module for LED strip	Profile-mounted switches	12/24 V	120 W	3	1
	Mechanical recessed switch	Mechanical switches	–	–	–	2

SENSOR SWITCHES

Sensor switch for doors (recessed)

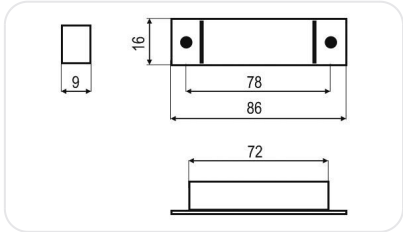
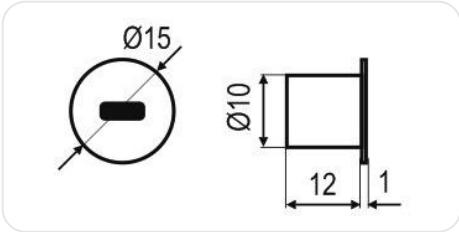
Code D-D1p



12/24 V
Voltage



30 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	recessed
Sensor eye cable length	2000mm

MECHANICAL

Colour	Grey
--------	------

ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
---------------------	-----------

PRODUCT TYPES

	CODE	MOUNTING TYPE	OPERATING PRINCIPLE	COLOUR	POWER
	D-D1j	recessed	IR sensor	 Black	30, 60
	D-D1p	recessed	IR sensor	 Grey	30

<https://dio.lighting/products/sensor-switch-for-doors-recessed-42>

Double sensor switch for doors (recessed)

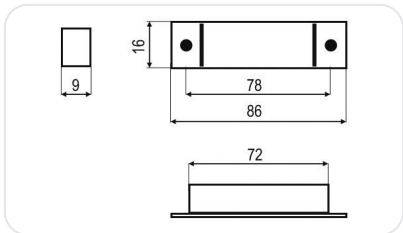
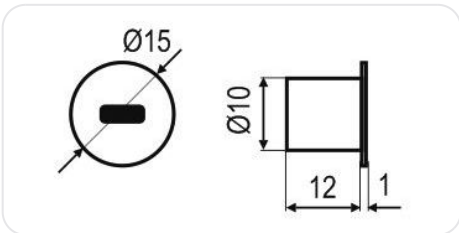
Code D-D5p



12/24 V
Voltage



30 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	recessed
Sensor eye cable length	2000mm

MECHANICAL

Colour	Grey
--------	------

ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
---------------------	-----------

PRODUCT TYPES

	CODE	MOUNTING TYPE	OPERATING PRINCIPLE	COLOUR	POWER
	D-D5j	recessed	IR sensor	● Black	30, 60
	D-D5p	recessed	IR sensor	● Grey	30
	D-D5b	recessed	IR sensor	○ White	30, 60

<https://dio.lighting/products/double-sensor-switch-for-doors-recessed-45>

Triple sensor switch for doors (recessed)

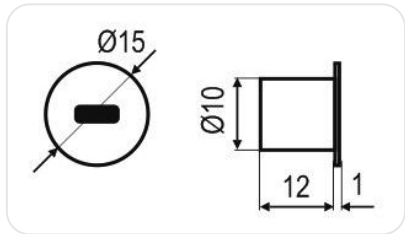
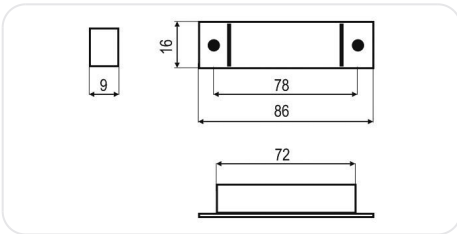
Code D-D8p



12/24 V
Voltage



30 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	recessed
Sensor eye cable length	2000mm

MECHANICAL

Colour	Grey
--------	------

ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
---------------------	-----------

PRODUCT TYPES

	CODE	COLOUR	POWER
	D-D8j	● Black	30, 60
	D-D8p	● Grey	30
	D-D8b	○ White	30, 60

<https://dio.lighting/products/triple-sensor-switch-for-doors-recessed-48>

Sensor switch for doors (surface)

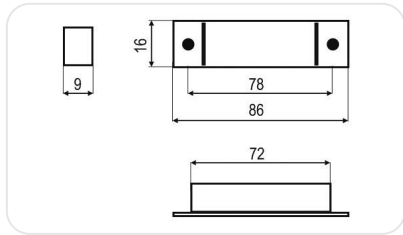
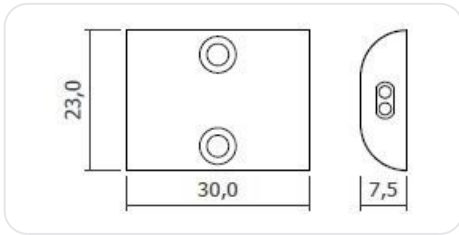
Code D-D2b



12/24 V
Voltage



30, 60 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	surface
Sensor eye cable length	2000mm

MECHANICAL

Colour	White
--------	-------

ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
---------------------	-----------

PRODUCT TYPES

	CODE	OPERATING PRINCIPLE	COLOUR	POWER
	D-D2j	IR sensor	● Black	30, 60
	D-D2p	IR sensor	● Grey	30
	D-D2b	IR sensor	○ White	30, 60

<https://dio.lighting/products/sensor-switch-for-doors-surface-52>

Double sensor switch for doors (surface)

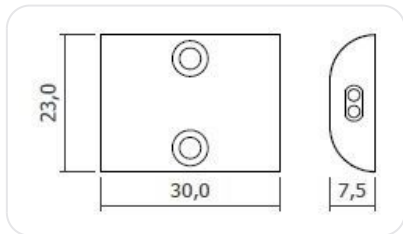
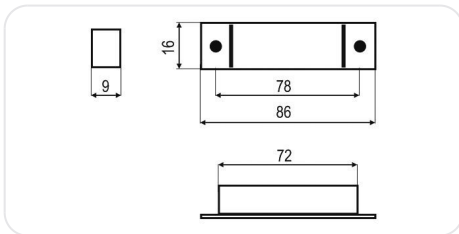
Code D-D6p



12/24 V
Voltage



30, 60 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	surface
Sensor eye cable length	2000mm

MECHANICAL

Colour	Grey
--------	------

ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
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PRODUCT TYPES

	CODE	COLOUR	POWER
	D-D6j	 Black	30
	D-D6p	 Grey	30, 60
	D-D6b	 White	30, 60

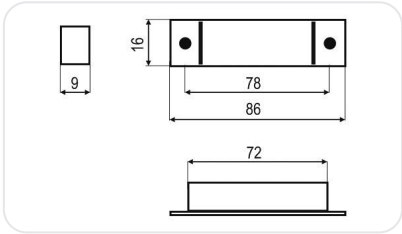
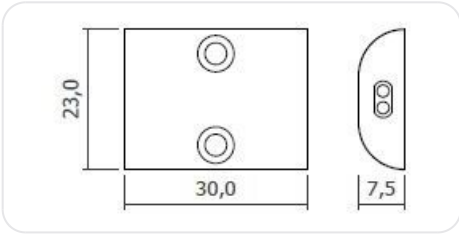
<https://dio.lighting/products/double-sensor-switch-for-doors-surface-54>

Triple sensor switch for doors (surface)

Code D-D9p


12/24 V
Voltage


30 W
Power



Triple touch sensor switch for doors (external) 12V-30W; 24V-60W

TECHNICAL DATA

MECHANICAL

Mounting type	surface
Sensor eye cable length	2000mm

MECHANICAL

Colour	Grey
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ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
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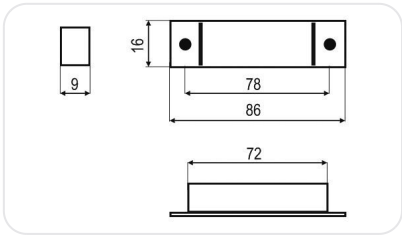
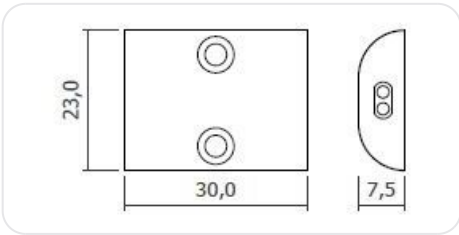
<https://dio.lighting/products/triple-sensor-switch-for-doors-surface-57>

Hand movement sensor switch (surface)

Code D-R2p


12/24 V
Voltage


30 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	surface
Sensor eye cable length	2000mm

MECHANICAL

Colour	Grey
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ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
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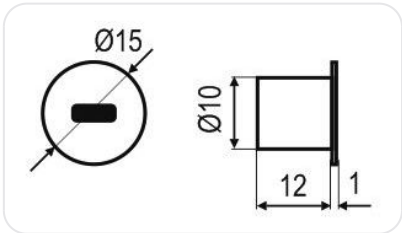
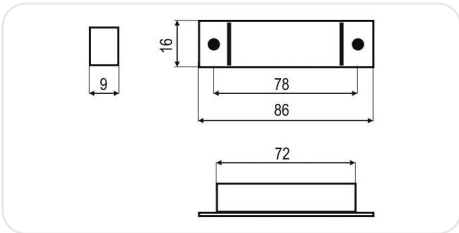
<https://dio.lighting/products/hand-movement-sensor-switch-surface-386>

Hand movement sensor switch (recessed)

Code D-R1p


12/24 V
Voltage


30 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	recessed
Sensor eye cable length	2000mm

MECHANICAL

Colour	Grey
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ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
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<https://dio.lighting/products/hand-movement-sensor-switch-recessed-387>

Touch dimmer sensor switch (recessed)

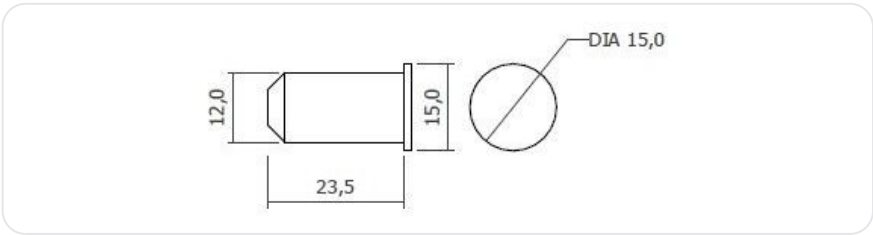
Code **D-T1b**



12/24 V
Voltage



30 W
Power



TECHNICAL DATA

MECHANICAL

Mounting type	recessed
Colour	White

ENVIRONMENT AND COMPLIANCE

Operating principle	from touching
---------------------	---------------

PRODUCT TYPES

	CODE	MOUNTING TYPE	COLOUR	POWER
	D-T1j	recessed	● Black	45, 30
	D-T1b	recessed	○ White	30

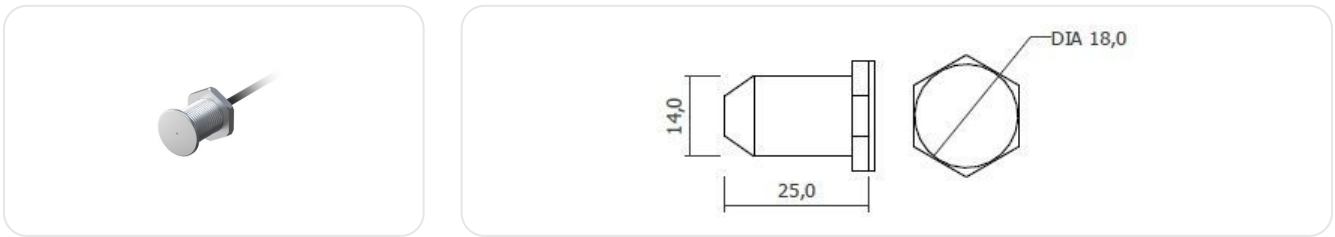
<https://dio.lighting/products/touch-dimmer-sensor-switch-recessed-58>

Touch dimmer sensor switch aluminum (recessed)

Code **D-T1al**.


12/24 V
Voltage


30 W
Power



Touch dimmer sensor switch aluminum (recessed) 12V-30W; 24V-45W

TECHNICAL DATA

MECHANICAL

Mounting type	recessed
Colour	Silver

ENVIRONMENT AND COMPLIANCE

Operating principle	from touching
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<https://dio.lighting/products/touch-dimmer-sensor-switch-aluminum-recessed-65>

Touch dimmer sensor switch (surface)

Code **D-T2p**


12/24 V
Voltage


60 W
Power


8 mm
Length



TECHNICAL DATA

MECHANICAL

Mounting type	surface
Colour	Grey

ENVIRONMENT AND COMPLIANCE

Operating principle	from touching
---------------------	---------------

<https://dio.lighting/products/touch-dimmer-sensor-switch-surface-60>

Touch dimmer sensor switch through wood/glass/mirror

Code D-T3



Touch switch with dimming, soft on/off and 0 V memory that works through wood, glass or a mirror up to 40 mm thick.

Functions

- Switches the light on and off by a touch through wood or glass up to 40 mm thick.
- Input 12–24 V DC, load up to 4 A (48–96 W).
- Holding the hand on the surface for more than a second adjusts the brightness from 3 % to 100 %.
- 0 V memory function and soft on/off.
- DC cable 50 cm on input and output; dimensions 40 × 40 × 8 mm.

Operation

- A quick touch (under 550 ms) switches the light on or off; the light comes on at 90 % brightness.
- Holding the touch (over 550 ms) dims continuously: down to the minimum in 3 seconds when the light is on, up to 100 % in 3 seconds when it is off.
- Quick touches and holds can be combined at any time; the dimming level is memorised at 12–24 V DC.

Installation

- Do not hold the sensor with one hand while touching with the other during testing.
- The sensor cannot be installed on conductive materials; on a mirror, remove the 2 mm silver strip around the switch.

TECHNICAL DATA

MECHANICAL

Colour	White
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ENVIRONMENT AND COMPLIANCE

Operating principle	from touching
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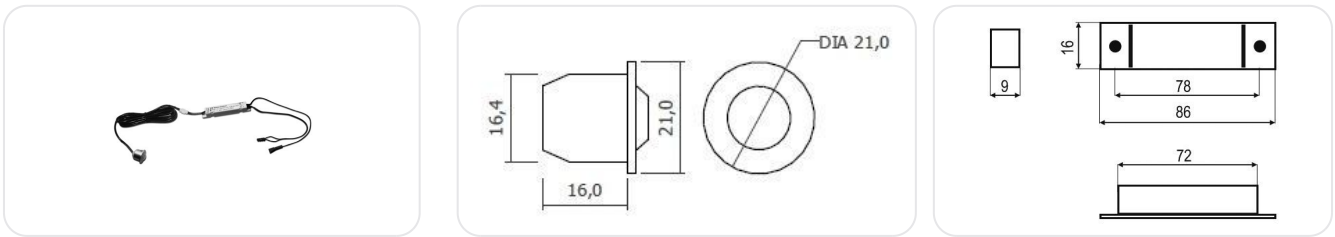
[Datasheet \(PDF\)](#)
<https://dio.lighting/products/touch-dimmer-sensor-switch-through-woodglassmirror-38>

PIR motion sensor switch (recessed)

Code D-J1p


12/24 V
Voltage


30 W
Power



TECHNICAL DATA

MECHANICAL		MECHANICAL	
Mounting type	recessed	Colour	Grey
Sensor eye cable length	2000mm	ENVIRONMENT AND COMPLIANCE	
		Operating principle	from movement upto 3m distance

<https://dio.lighting/products/pir-motion-sensor-switch-recessed-61>

PIR motion sensor switch (surface)

Code D-J2p


12/24 V
Voltage


60 W
Power


55 mm
Length



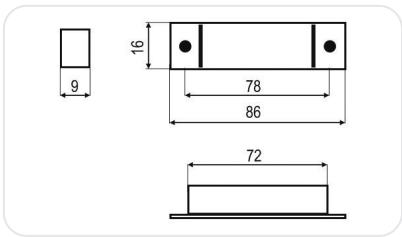
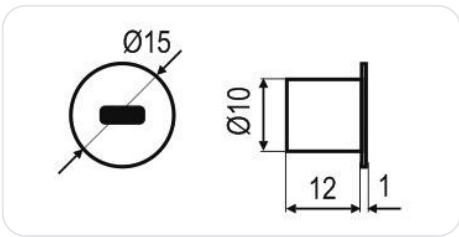
TECHNICAL DATA

MECHANICAL		ENVIRONMENT AND COMPLIANCE	
Mounting type	surface		
Colour	Grey		
		Operating principle	from movement upto 3m distance

<https://dio.lighting/products/pir-motion-sensor-switch-surface-62>

Hand movement sensor switch (recessed)

Code **D-R1**



Hand movement sensor switch (recessed) 12V-30W; 24V-60W

TECHNICAL DATA

MECHANICAL

Mounting type	recessed
Colour	Grey
Sensor eye cable length	2000mm

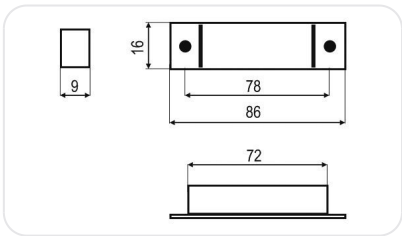
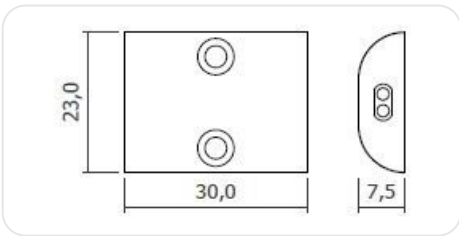
ENVIRONMENT AND COMPLIANCE

Operating principle	from hand movement 2 - 60mm
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<https://dio.lighting/products/hand-movement-sensor-switch-recessed-63>

Hand movement sensor switch (surface)

Code **D-R2**



Hand movement sensor switch (surface) 12V-30W; 24V-60W

TECHNICAL DATA

MECHANICAL

Mounting type	surface
Colour	Grey
Sensor eye cable length	2000mm

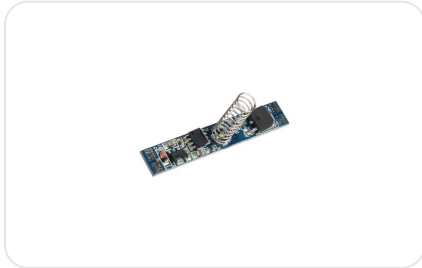
ENVIRONMENT AND COMPLIANCE

Operating principle	IR sensor
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<https://dio.lighting/products/hand-movement-sensor-switch-surface-64>

PROFILE-MOUNTED SWITCHES

0V Memory Touch Switch Dimmer

Code **D-PR1****12/24 V**
Voltage**192, 96 W**
Power**46 mm**
Length

Touch switch with dimming and 0 V memory for 12–24 V DC LED strips, mounted behind glass, plastic or ceramic up to 3 mm thick.

Functions

- Switches on and off with dimming; the brightness is remembered and restored within 3 seconds.
- Input and output 12–24 V DC, 8 A: about 96 W at 12 V and 192 W at 24 V.
- Spring height 12 mm.
- Connections: V+ and V- input, LED+ and LED- output to the strip.

Operation

- The conductive spring must be covered by an insulating material such as glass, plastic or ceramic, up to 3 mm thick.
- Off when the power is first connected.
- A quick touch (under 550 ms) switches the light on or off with a 3-second brightness ramp; the light comes on at 90 % brightness.
- Holding the touch (over 550 ms) dims up or down continuously.
- Quick touches and holds can be combined at any time; the dimming level is memorised.

[Datasheet \(PDF\)](#)<https://dio.lighting/products/0v-memory-touch-switch-dimmer-36>

Proximity Sensor Switch With Dimmer

Code **D-PR2**



12/24 V
Voltage



96 W
Power



55 mm
Length



Touch-free proximity switch with dimming and 0 V memory for LED profiles: a hand passing within 18 cm switches the light, holding it dims.

Functions

- Switches the light on and off when a hand passes over the sensor within 18 cm (without a cover).
- Input 12–24 V DC, load up to 8 A (96–192 W).
- Holding the hand over the sensor for more than a second adjusts the brightness from 3 % to 100 %.
- 0 V memory function.
- Dimensions 55 × 10 mm.
- Connections: V+ and V– input, LED+ and LED– output to the strip.

Operation

- Designed for LED aluminium profiles: the light is switched without touching the switch.
- An active reflective photocell sends infrared pulses and measures the reflected signal; a hand close to the sensor reverses the output state.
- The infrared light is emitted at a fixed frequency, so the sensor ignores infrared remote controls, lamps and other sources.

Installation

- Keep the distance from the PC cover to the profile between 7 mm and 50 mm.

[Datasheet \(PDF\)](#)

<https://dio.lighting/products/proximity-sensor-switch-with-dimmer-37>

0V Memory Move Sensor Switch Dimmer

Code **D-PR3**



12/24 V
Voltage



96 W
Power



46 mm
Length



PIR motion sensor switch with soft on/off for 12–24 V DC LED strips: the light comes on when someone approaches within 2 m and goes off about 40 seconds after they leave.

Functions

- Automatic on/off by motion within 2 m.
- Input and output 12–24 V DC, load up to 8 A: about 96 W at 12 V and 192 W at 24 V.
- Delay time about 40 seconds.
- Dimensions 55 × 10 mm.
- Connections: V+ and V– input, LED+ and LED– output to the strip.

Operation

- Built into a lighting fixture, the sensor switches it on when any part of the body comes within 2 m and keeps it on while someone stays there.
- The light goes off 40 seconds after the person moves further than 2 m away.
- Soft on from 0 % to 100 % in 2 seconds, soft off from 100 % to 0 % in 8–10 seconds.
- The programme can be customised to order, for example a longer stay-on time.

Installation

- Cut a 10.5 mm hole in the fixture and fit the detector head into it.
- Connect the wires to the input and output of the control board.

Notices

- Keep the sensor away from sunlight, incandescent lamps, heaters, radiators and air conditioners: a change of ambient temperature can trigger a false detection.
- Fix the sensor firmly so that wind cannot shake it into a false detection.
- Do not touch the surface of the detector.
- Clean the lens regularly with a soft damp cloth so that dust does not reduce the sensitivity.

[Datasheet \(PDF\)](#)

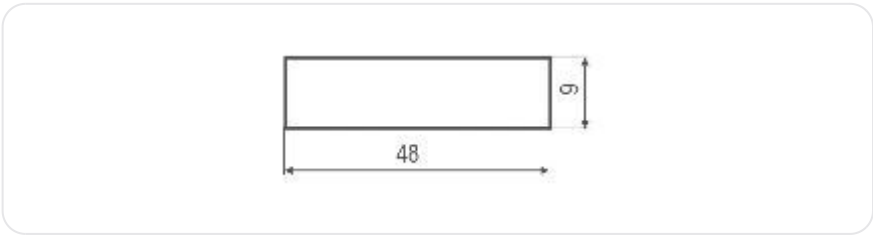
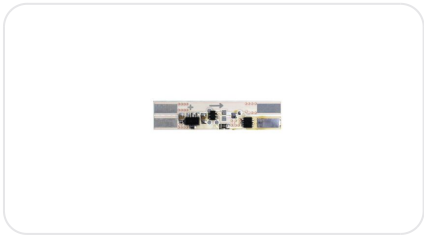
<https://dio.lighting/products/0v-memory-move-sensor-switch-dimmer-74>

Soft start module for LED strip


12/24 V
Voltage


120 W
Power


3 mm
Length



LED strip soft start module which allows to switch on/off lights slowly (used with any other on/off switch).

TECHNICAL DATA

MECHANICAL

Mounting type into aluminum profile

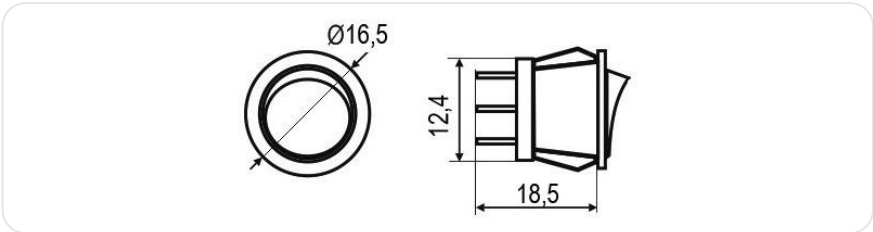
ENVIRONMENT AND COMPLIANCE

Operating principle distance

<https://dio.lighting/products/soft-start-module-for-led-strip-39>

MECHANICAL SWITCHES

Mechanical recessed switch



TECHNICAL DATA

MECHANICAL

Mounting type recessed

Colour White

ENVIRONMENT AND COMPLIANCE

Operating principle from pushing

PRODUCT TYPES

MOUNTING TYPE		COLOUR
	recessed	☒ Black
	recessed	☐ White

<https://dio.lighting/products/mechanical-recessed-switch-197>





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Availability, pricing and lead times on request.

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