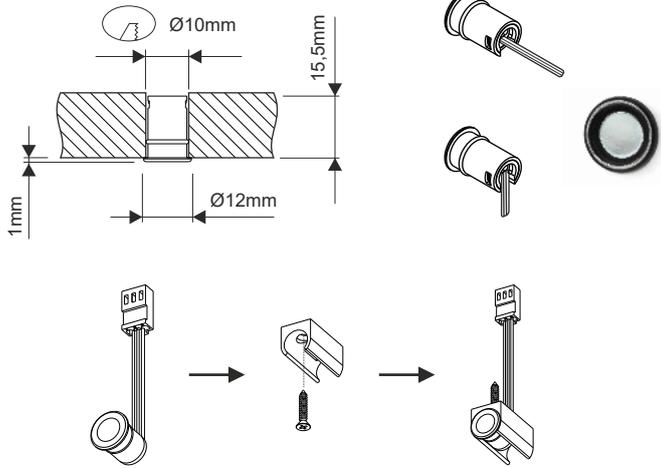
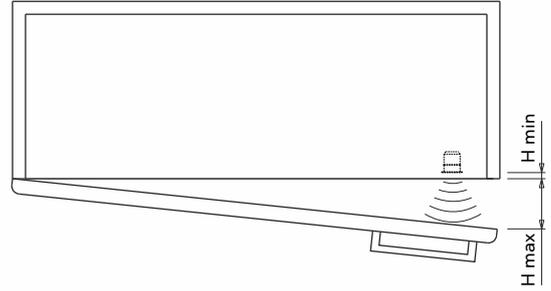


CLUD IR-1

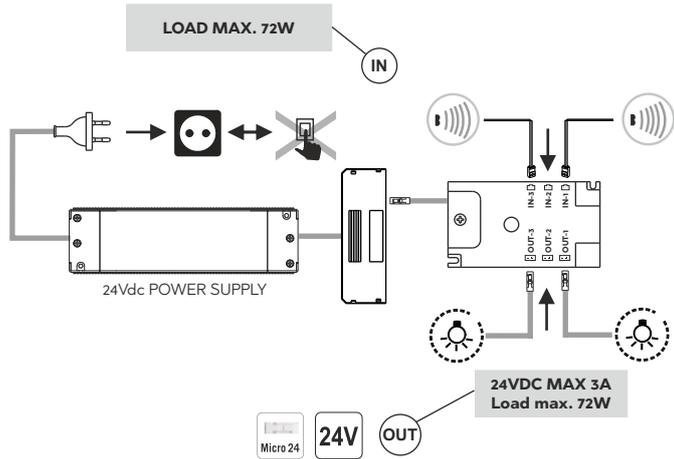


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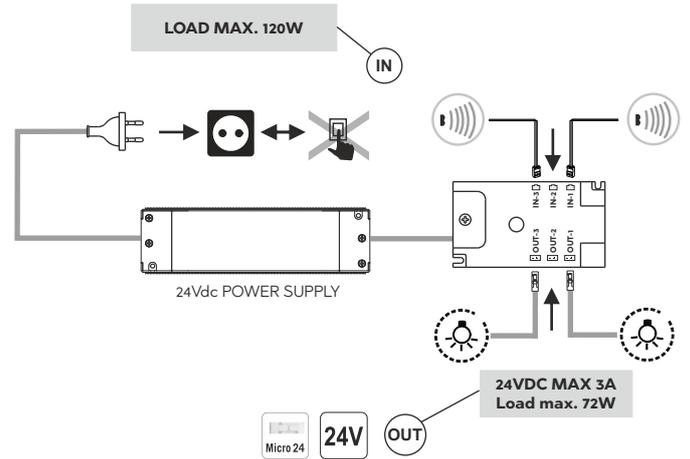


Material	Finish	H min.	H max.
Laminated	Dark oak	0mm	60mm
Varnished	Glossy white	0mm	160mm
Wood	Natural finish	0mm	100mm

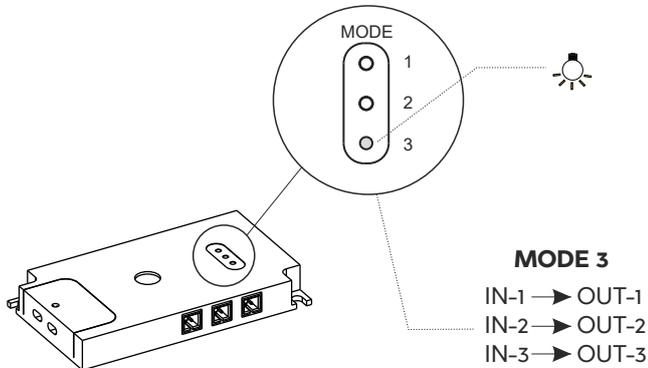
CLUD ECB 24VDC



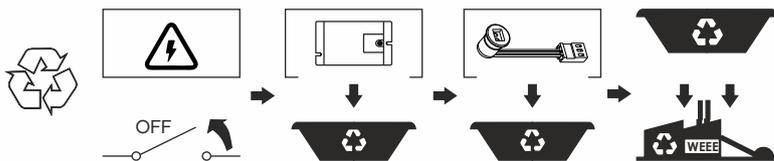
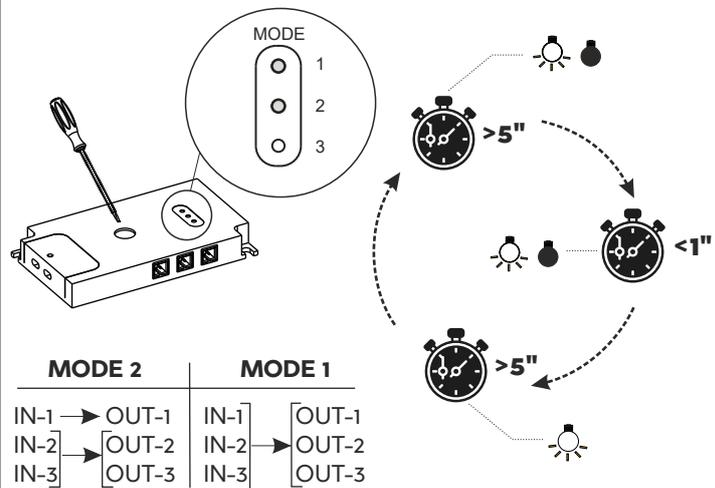
CLUD ECB 24VDC (ON REQUEST)



FACTORY SET-UP = MODE 3



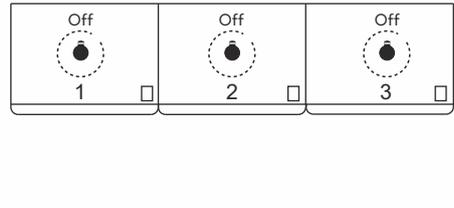
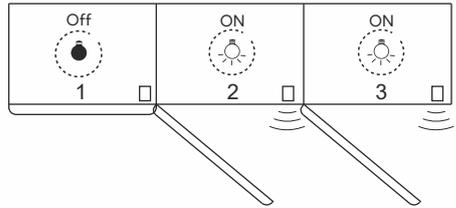
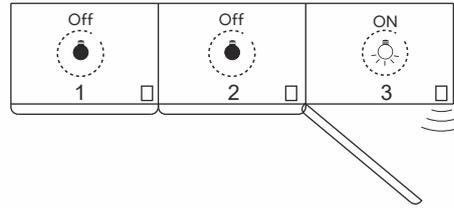
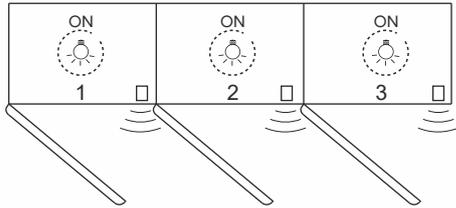
CHANGE SET-UP



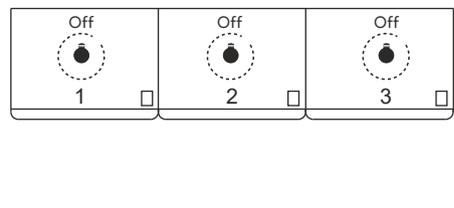
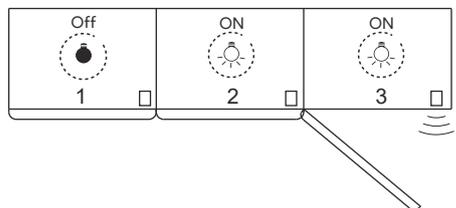
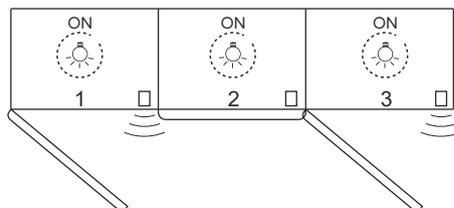
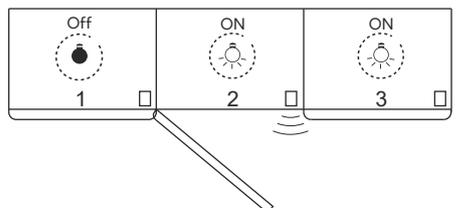
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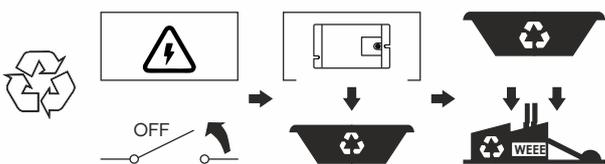
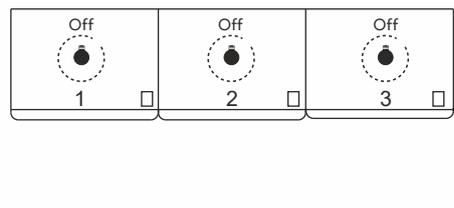
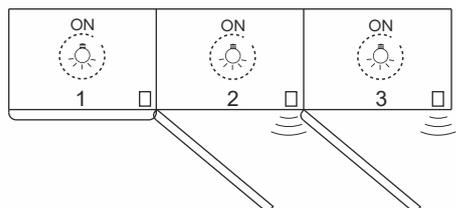
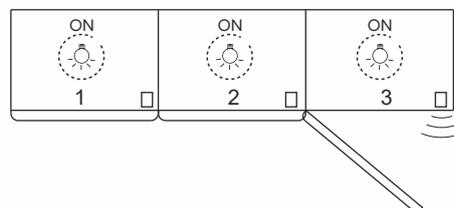
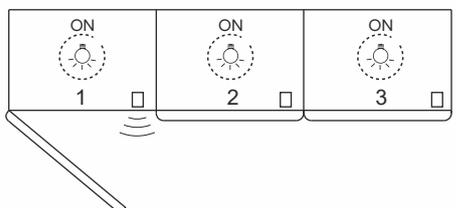
**CLUD MODE 3 (FACTORY SET-UP)**



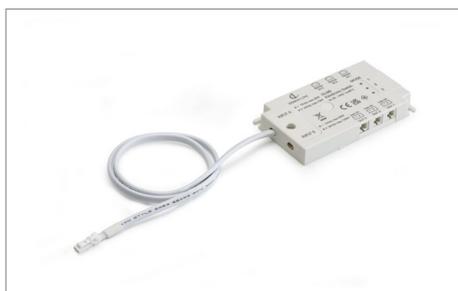
**CLUD MODE 2**



**CLUD MODE 1**



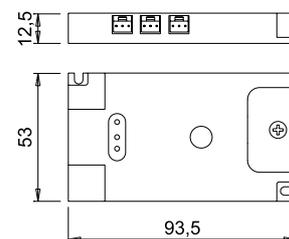
**CLUD**



### CLUD ECB

multi-sensor control module

<b>Code</b>	F0126000016
<b>Input</b>	24VDC
<b>Output</b>	24VDC
<b>Power</b>	max 72W
<b>Wiring IN</b>	500mm Micro24 male
<b>Wiring OUT</b>	3x Micro24 female
<b>Slot sensors</b>	3x Trio female

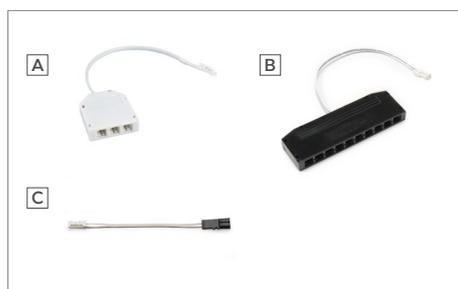
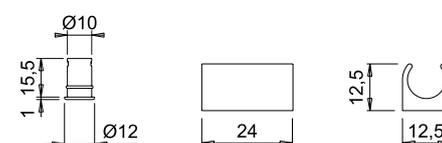


### IR-1

back-door sensor

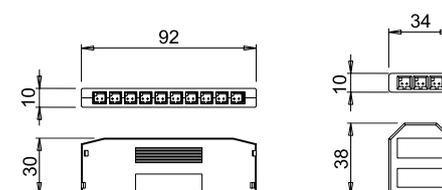
<b>Code</b>	F0126000004
<b>Wiring</b>	2000mm Trio male

<b>Code</b>	F0126000017
<b>Wiring</b>	4000mm Trio male



### CLUD ACCESSORIES

Type	Code	Model
Type A	1184801/S	Distributor 3 slot Micro24 female   cable 150mm Micro24 male
Type B	1183603/S	Distributor 10 slot Micro12 female   cable 150mm Micro24 male
Type C	1170601/S	Cable 100mm Micro24 male   Micro12 female



# CLUD

## multi-sensor control unit



CLUD ECB is a control unit for single-colour LED luminaires, designed for configurations with multiple sensors (IR-1). Black (infrared) sensors, which can be installed flush in a 10mm diameter hole or surface-mounted using the support bracket provided, automatically switch the lights on and off when the door behind which they are installed is opened or closed. The electronic control module features dual inputs (max 3A or 5A), three Micro24 female outputs (max 3A | 72W @24VDC), and three sensor slots with Trio connection system. It comes with a 500mm power cable and a Micro24 male connector connected to the 3A input, supporting a total load of 72W @24VDC. On request, CLUD ECB can be supplied pre-wired in a “daisy-chain” configuration with a power supply connected to the @5A input, allowing the total load to increase to 120W for @24VDC luminaires (or 60W @12VDC). To use CLUD ECB for controlling single-colour LED luminaires @12VDC, adapter cables are available to connect to the Micro24 outputs and configure them for the Micro12 system, with a total load capacity of 36W. Distributors for increasing the number of outputs on each Micro24 female connector are also available separately. Power supply not included, to be ordered separately.



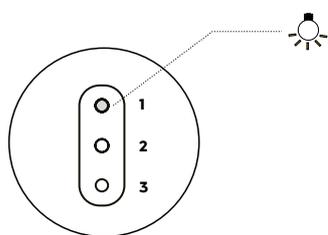
IR-1 (infrared limit switch) sensors activate the switching on and off of luminaires connected to the CLUD unit with a soft-on/soft-off function featuring a fade time of up to 2.5 seconds. The detection range of the sensors (approximately max. 160mm) varies depending on the finish and reflectivity of the surface of the door behind which they are installed. The CLUD ECB control module integrates an automatic switch-off function that activates after approximately 120 minutes of continuous operation. See the instruction manual for more details.



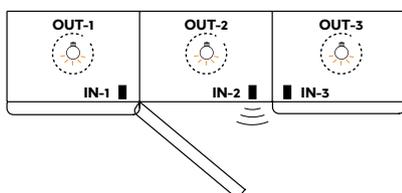
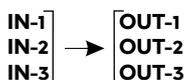
The CLUD ECB control module includes three Micro24 female connectors for the luminaires and three sensor slots with the Trio connection system for connecting IR-1 sensors. A selector with three buttons, each fitted with an indicator light, allows the programming of the control module's operating mode in three configurations:

- MODE1, all three sensors are linked to a common control function;
- MODE2, two sensors operate together, while the third works independently;
- MODE3, each of the three sensors operates independently.

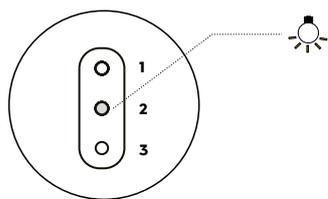
CLUD ECB is factory-set to MODE3, where: sensor slot IN-1 controls output OUT-1, sensor slot IN-2 controls output OUT-2, sensor slot IN-3 controls output OUT-3. For instructions on changing the configuration, please refer to the user manual.



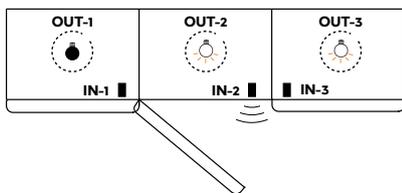
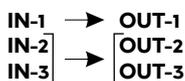
**MODE 1**



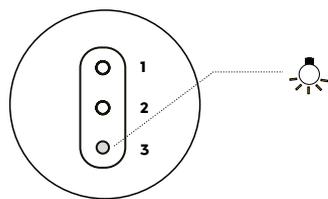
Example of operation with MODE1 setup



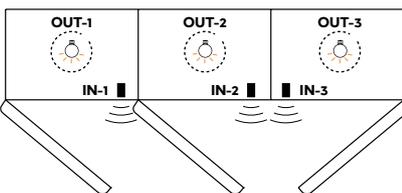
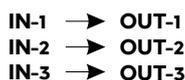
**MODE 2**



Example of operation with MODE2 setup



**MODE 3**



Example of operation with MODE3 setup

