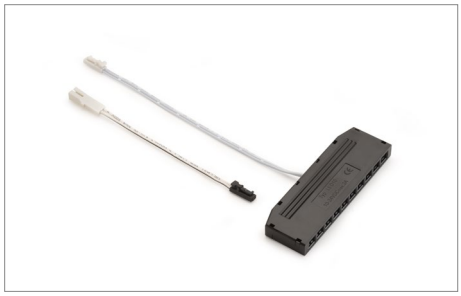
DOMUS LINE

STANDY

STANDY ECB D-M

control unit

Code	F0126000162
Input	24VDC (12VDC)
Output	24VDC (12VDC)
Power	max 72W (36W @12VDC)
Wiring IN	200mm Micro24 male
Wiring OUT	3x Micro24 female



STANDY ECB ACCESSORIES

M24|M12 adapter cable set

Code	4015500
Wiring IN	100mm M24F|M12M
Wiring OUT	150mm 10xM12F|M24M

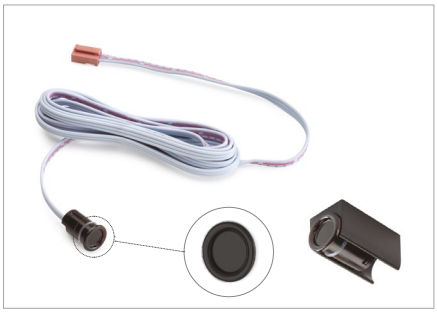
The set-up button on the control unit allows the factory setting for colour temperature control to be changed. With a quick press, both stand-by and operating modes are set to either the coolest or the warmest colour temperature of the two available.

STANDY

control unit for dual colour LED luminaires

STANDY ECB D-M (Electronic Control Board D-Motion) is a multi-sensor control unit (max. 2 sensors) for @24VDC or @12VDC dual-colour LED luminaires (with the M24|M12 adapter wiring set). It can be configured with IR-1 LSW sensors (infrared with limit switch function) or PIR-1 and PIR-2 sensors (pyroelectric motion sensors) and is recommended for applications behind glass doors. With the doors closed, the dual-colour luminaires connected to STANDY remain on at approximately 30% of their maximum luminous intensity, with the warmer of the two available colour temperatures. When the doors are opened, the AUTODIM function is activated: the luminaires switch to maximum luminous intensity and change to the cooler of the two available colour temperatures. STANDY ECB features 3 slots with Micro24 female connectors for connecting dual-colour LED luminaires, as well as a 200 mm power supply cable with Micro24 male connector. STANDY is a control system for lighting installations in which switching on and off can be managed by an external switch in the domestic electrical system or by a GIRO 230 remote control and its corresponding control unit, installed upstream of the power supply. Power supply not included, to be ordered separately.

DOMUS LINE

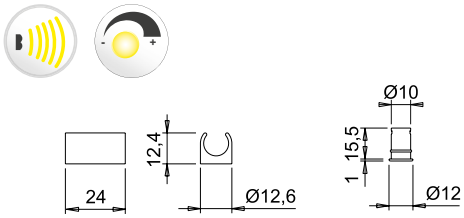


IR-1

back-door sensor

Code	F0126000004
Wiring	2000mm
Connector	Trio male

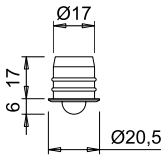
Code	F0126000017
Wiring	4000mm
Connector	Trio male



PIR-1

motion sensor

Code	F0126000003
Wiring	2000mm
Connector	Trio male

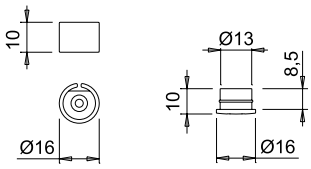


PIR-2

motion sensor

Code	F0126000039 (white) F0126000049 (black)
Wiring	200mm
Connector	Trio male

Code	F0126000175 (black + spacer SP)
Wiring	200mm
Connector	Trio male



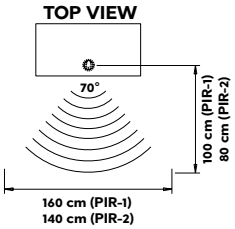
STANDY

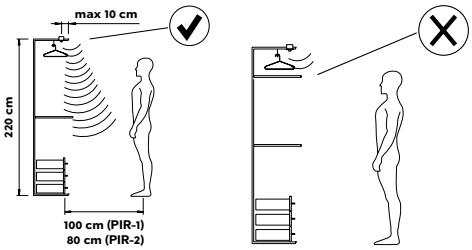
back-door and motion sensors

IR-1 is an infrared optical sensor with “limit switch” function (LSW – limit switch) for installation inside compartments behind doors. It is recommended for kitchen wall units or living-area compartments and can be installed recessed or on the surface using the dedicated support supplied in the package. PIR-1 and PIR-2 are motion sensors with automatic ON/OFF function, recommended for installation inside wardrobes and walk-in closets. They can be installed recessed or on the surface (PIR-2 only). The detection cone of PIR-1 allows the sensor to be installed in more demanding conditions than PIR-2. All sensors for the STANDY ECB control unit are supplied with cable and TRIO male connector and are connected to the control unit (max. 2 sensors), operating together.

IR-1 is an infrared end-stroke sensor mounted behind the door which, when connected to STANDY ECB control units, activates the AUTODIM function. When the door behind which it is installed is opened, the sensor activates the maximum brightness (100%) and switches the colour temperature to the cooler of the two available settings. The detection range (max. approximately 150mm) varies depending on the finish and reflectivity of the surface of the door (see the installation and user guide for more information). IR-1 can also be installed flush with the cabinet door without affecting its performance.

PIR-1 and PIR-2 are passive infrared sensors that detect changes in temperature and user movement within the detection area. They are equipped with a Fresnel lens made of thermoplastic material, consisting of a series of grooves on the surface designed to collect light and widen the field of view. The lens makes it possible to define the monitored area more precisely, including the detection angles on the horizontal plane and the distances to be covered. When the door is opened, the AUTODIM function of STANDY ECB is activated; the luminous intensity automatically increases to the maximum level (100%) and the colour temperature changes to the cooler of the two available tones. The AUTODIM function is deactivated approximately 30 seconds after the door is closed or when no movement is detected within the detection area. Under these conditions, the luminous intensity decreases to 30% and the colour temperature changes to the warmer of the two available tones.





The detection range of PIR-1 and PIR-2 sensors is cone-shaped, with an opening angle of approximately 70°. The sensitivity of both sensors, and therefore their correct operation, may be reduced or even impaired by an installation that obstructs the detection range. For this reason, it is recommended to install the sensors at a distance of 10 cm or less from the compartment door and at a maximum height of approximately 220 cm. Under these conditions, the sensor detects movement and therefore the presence of a person of average height (160–180 cm) up to a distance of 100 cm (80 cm for PIR-2) along the axis perpendicular to the mounting surface, and approximately 160 cm (140 cm for PIR-2) along the axis parallel to the mounting surface. The detection cone of PIR-1 allows the sensor to be installed in more demanding conditions than PIR-2.

The factory set-up activates stand-by mode at 30% of the maximum luminous flux, with the warmer of the two available colour temperatures. With a quick press of the set-up button, both stand-by and operating modes are set to either the cooler or the warmer of the two available colour temperatures. When the sensors are triggered, the luminous intensity increases to 100% at the selected colour temperature.

When switched on for the first time, all sensors perform an automatic sensitivity test, and the resulting setting is stored. Any change in installation requires the control unit to be reset by disconnecting the power supply for at least 10 seconds. Connecting the STANDY ECB power supply unit to a switch of the main electrical system is necessary to ensure the ON and OFF functions. In any case, a preliminary test before installation is recommended. Do not use the sensors near heat sources or electromagnetic fields, and keep them away from heat sources or objects that may cause temperature variations, such as air flows from air-conditioning systems, spotlights with light sources directed towards the sensor, etc. These conditions may generate false variations in infrared radiation and therefore impair correct operation. For further details, refer to the instruction manual.