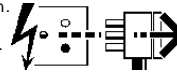


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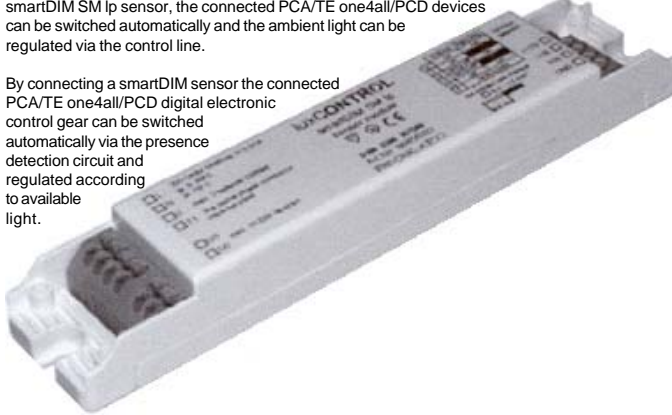
Disconnect from mains supply before replacing the fuse or the lamp.
Vor dem Einsetzen der Sicherung oder der Lampe Spannungsfreiheit herstellen.
Débrancher le secteur avant de remplacer le fusible ou l'ampoule.
Desconectar del suministro de la red, antes de realizar la sustitución del fusible o de la lámpara.
Voor het vervangen van lamp of zekering, eerst netspanning uitschakelen.
Koppla bort spänningen före byte av en säkring eller en lampa.



Switch Off
Abschalten
Débrancher
Desconectar
Uitschakelen
Stäng av

Digital DSI sensor module for controlling 25 digital, electronic ballasts. By connecting a smartDIM SM Ip sensor, the connected PCA/TE one4all/PCD devices can be switched automatically and the ambient light can be regulated via the control line.

By connecting a smartDIM sensor the connected PCA/TE one4all/PCD digital electronic control gear can be switched automatically via the presence detection circuit and regulated according to available light.



type	smartDIM SM Ip		
article number	86458337		
electrical supply	voltage	V	220-240
	frequency	Hz	50/60
	max. load	W	1,5
input	push to make switches	-	single
	max. number of smartDIM sensors	-	2
	max. sensor cable length	m	10
output	digital DSI control signal	-	1
	signal	-	digital/serial
	dimming range	%	3-100
output relays (L')	max. number of	PCA/TE one4all/PCD	25
	max. cable length with 1.5 mm ²	m	250
	max. make-break capacity	e.g. PCA	2
ambient conditions	max. apparent switching power	VA	200
	max. make-break capacity	W	500
	operating temperature ta	°C	0 → +60
	storage temperature	°C	-25 → +55
	protection type	-	IP 20



smartDIM SM Ip

If one or more smartDIM sensors are connected to the smartDIM Ip control module up to 25 DSI units (PCA/TEL/PHD...) can be automatically switched via the DSI control lines and regulated via ambient light.

The light value to be regulated can be set to any value by means of a standard external mains voltage switch (see wiring instructions).

smartDIM Ip has an internal memory that stores the last dimmer value in the event of a power outage. If, for example, a system is on standby it will continue to be on standby when power returns after an outage.

Delay Time

The disconnection delay time for the motion detector can be set by means of a rotary switch. The option of switching between a fixed delay time and an adaptive delay time opens up application-specific usage. An adaptive delay time (between 4 minutes and 20 minutes) offers optimum energy consumption. 'Adaptive' means that the delay time is automatically adjusted according to the frequency with which presence in the room is detected.

At the end of the delay, the smartDIM SM Ip starts dimming the luminaires down to 3%. The luminaires are then switched off. Dimming down to 3% takes one minute.

Adaptive delay time

The adaptive delay time function calculates the optimum delay time. This may be between 4 and 20 minutes. The delay time depends on the frequency of motion detection. For infrequent detection the delay time is 4 minutes. The time is lengthened step by step, the more time the sensor is passed. After the luminaires have been switched off by the motion detector the time is reset and starts again in 4 minutes.

Pos.	Motion Detection		Light Regulation	
	Mode	Delay Time	Mode	Light Level Set
0	on	20 min.	on	manual mode
1	on	20 min.	on	automatic mode
2	on	30 min.	on	manual mode
3	on	40 min.	on	manual mode
4	on	adaptive	on	manual mode
5	on / never off	20 min. / off = 3 %	on	manual mode
6	on	adaptive	off	-
7	on	20 min.	off	-
8	only off	10 min.	on	manual mode
9	only off	20 min.	on	manual mode
A	only off	30 min.	on	manual mode
B	only off / never off	20 min. / off = 3 %	on	manual mode
C	only off	20 min.	off	-
D	off	-	on	manual mode
E	off	-	on	automatic mode
F	test mode (15 s delay time)			

only off

This function means the motion detector can be used more efficiently. If the 'only off' function is set the motion detector only switches the connected luminaires off. The luminaires are switched on manually via the connected external switch.

never off

After 20 minutes the lighting is dimmed to 3% with a fade time of 1 minute. The luminaires are not switched off but remain at a basic brightness of 3%.

Bright-Out and Bright-In

If the nominal illuminance (e.g. 500 lux) is exceeded for 10 minutes by more than 150% (e.g. 750 lux), the luminaires are switched off even if motion is detected.

The lighting is then only switched on in response to detected motion if the current illuminance does not exceed the value stored in the sensor.

Light Level Set

Automatic mode

every time the light value is changed with a long press a new setpoint light value is automatically updated and stored.

Short press (> 50-600 ms)	ON/OFF
Long press (> 600 ms)	Setpoint value is permanently changed

Manual mode

A change in the light value deactivates light regulation until manual confirmation (2 x short press) on the connected switch.

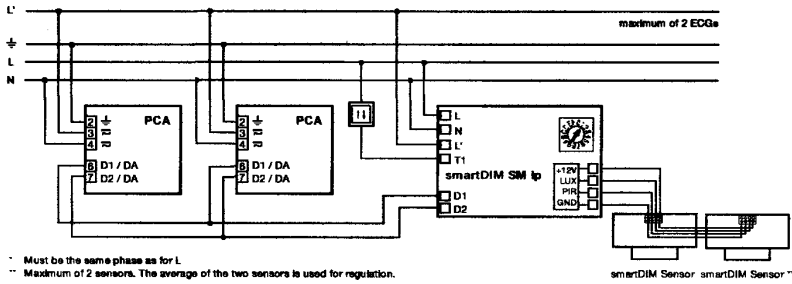
Short press (> 50 - 600 ms)	ON/OFF
Long press	A change in the light value deactivates lighting regulation only temporarily. As soon as the luminaire has been automatically switched on again (motion detection) or manually switched off and on again, regulation is activated again.
2 x short press	The overwritten setpoint light value is stored) luminaire acknowledges by flashing twice).

Wiring Instructions

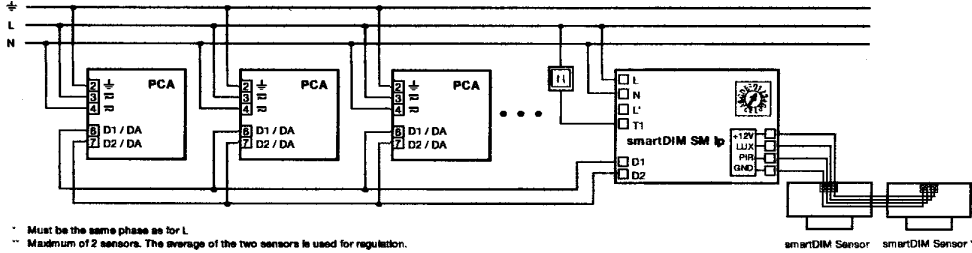
The detection zone can be extended by connecting further smartDIM sensors.

- smartDIM sensors can be connected in parallel. This does not reduce the number of controllerble DSI units.
- Max. cable length 10m to the last sensor.
- Terminals: rigid cables from 0.5 - 1.5mm²

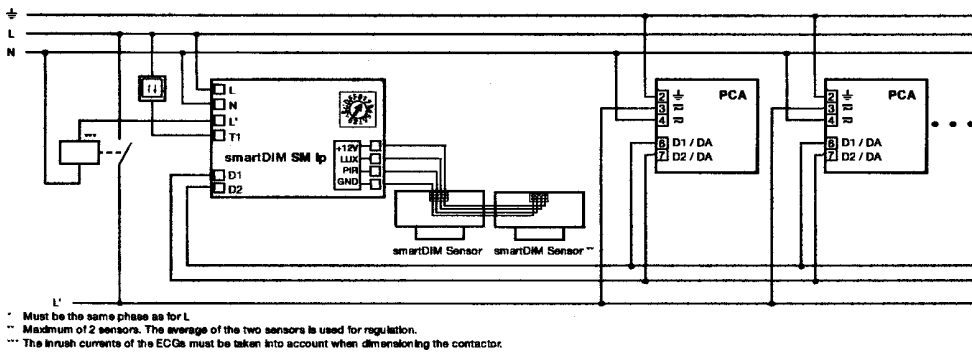
A) with 2 ECGs



B) with up to 25 ECGs without using the internal relay

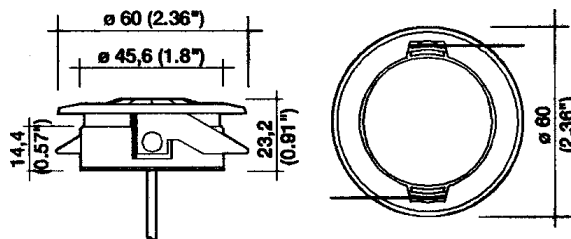


C) with up to 25 ECGs and use of the internal relay



smartDim Sensor 2
Ambient light sensor and PIR sensor

Low profile ceiling mounted sensor measuring ambient light level and movement detection. Different settings can be chosen via the smartDIM SM Ip sensor module.
Type smartDim Sensor 2
article number 86454523



Suitable for use indoors

Geeignet für Innenanwendung

Pour un usage interne

Adecuada para uso en interiores

Geschikt voor gebruik binnen

Lämplig för inomhusbruk



Replace any cracked protective shield.

Dieses symbol bedeutet, dass defekte Schutzgläser sofort ersetzt werden müssen.

Ce symbol indique que vous devez remplacer tout verre de protection fêlé.

Este simbolo indica que hay que reemplazar filtros en caso de rotura o desperfectos.

Dette symbolet indikerer at alle ødelagte (sprukne) sikkerhetglass må skiftes.

Valaisinta el saa käyttää ilman suojalasiasa vioittunut suojalasi on vaihdettava uuteen ennen valaisimen käyttöön ottoa.



< Millimetres >



This Electrical Product
MUST be recycled.



03.08

Concord

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Based on Data sheet 09/08-610-4 TRIDONIC.ATCO