



Combi light sensor LSR-BW-FUE-01A

General

The combi light sensor LSR-BW-FUE-01A has been designed for work places and rooms specifically in which the brightness should be controlled daylight dependent, by presence and additional per remote control. The LSR-BW-FUE-01A is a light sensor with up to 8 programmable desired values, 8 programmable fixed values, brightness correction and automatic takeover of the correction as desired value.

It is also a occupancy sensor, who differs between big/fast and sensitive movements. For remote control a radio receiver has been integrated. Up to 20 remote controllers with up to 4 sub addresses can be semi-skilled. The LSR-BW-FUE-01A works on the ISYGLT subnet. All functions can be evaluated about it and than be linked individually by using the free programmability.

Light control sensor

The sensor has been conceived for interior measurement (artificial light measurement) and has a resolution of 10 bit (1024 steps). Therewith a constant light control is viable easy and comfortable. 8 brightness values are saveable individually that the regulator tracks autonomous. Will the desired value become corrected manually and not changed for 10 seconds

a temporary takeover of this value as a actual desired value is done. The brightness remains constant in this situation. Herewith a aging of the fluorescent material will be compensated. The particulate light level can be invoked by radio remote controllers or by the building automation system (ISYGLT).

Radio receiver

Defined functions per radio remote controllers are available. Further the possibility exists to evaluate all the following listed codes of the radio remote controller FS-10T in the master module.

Key code remote controller

Key	Action at key stroke	Key code remote controller (to the master sent code)	Function in the sensor
1	Upon release key stroke 50ms...5s	1	Invokation desired value 1
	Upon release key stroke >5s	2	Save SW 1
	Double click	3	
2	Upon release key stroke 50ms...5s	4	Invokation desired value 2
	Upon release key stroke >5s	5	Save SW 2
	Double click	6	
3	Upon release key stroke 50ms...5s	7	Invokation desired value 3
	Upon release key stroke >5s	8	Save SW 4
	Double click	9	
4	Upon release key stroke 50ms...5s	10	Invokation desired value 1
	Upon release key stroke >5s	11	Save SW 1
	Double click	12	
ID	Upon release key stroke 50ms...5s	13	
	Upon release key stroke >5s	14	
	Double click	15	

Key code remote controller

Key	Action at key stroke	Key code remote controller (to the master sent code)	Function in the sensor
ON/OFF	Upon release key stroke 50ms...5s	16	
	Upon release key stroke >5s	17	
	Double click	18	
UP	Upon release key stroke 50ms...5s	19	
	Double click	21	
DOWN	Upon release key stroke 50ms...5s	22	
	Double click	24	
White + 1	Upon release key stroke 50ms...5s	25	Invokation desired value 5
	Upon release key stroke >5s	26	Save SW 5
	Double click	27	
White + 2	Upon release key stroke 50ms...5s	28	Invokation desired value 6
	Upon release key stroke >5s	29	Save SW 6
	Double click	30	
White + 3	Upon release key stroke 50ms...5s	31	Invokation desired value 7
	Upon release key stroke >5s	32	Save SW 7
	Double click	33	
White + 4	Upon release key stroke 50ms...5s	34	Invokation desired value 8
	Upon release key stroke >5s	35	Save SW 8
	Double click	36	
White + ID	Upon release key stroke 50ms...5s	37	
	Upon release key stroke >5s	38	
	Double click	39	
White + ON/OFF	Upon release key stroke 50ms...5s	40	
	Upon release key stroke >5s	41	
	Double click	42	
White + UP	Upon release key stroke 50ms...5s	43	
	Double click	45	
White + DOWN	Upon release key stroke 50ms...5s	46	
	Double click	48	
Green + 1	Upon release key stroke 50ms...5s	49	Invokation fix value 1
	Upon release key stroke >5s	50	Save fix value 1
	Double click	51	
Green + 2	Upon release key stroke 50ms...5s	52	Invokation fix value 2
	Upon release key stroke >5s	53	Save fix value 2
	Double click	54	
Green + 3	Upon release key stroke 50ms...5s	55	Invokation fix value 3
	Upon release key stroke >5s	56	Save fix value 3
	Double click	57	
Green + 4	Upon release key stroke 50ms...5s	58	Invokation fix value 4
	Upon release key stroke >5s	59	Save fix value 4
	Double click	60	
Green + ID	Upon release key stroke 50ms...5s	61	
	Upon release key stroke >5s	62	
	Double click	63	

Key code remote controller

Key	Action at key stroke	Key code remote controller (to the master sent code)	Function in the sensor
Green + ON/ OFF	Upon release key stroke 50ms...5s	64	
	Upon release key stroke >5s	65	
	Double click	66	
Green + UP	Upon release key stroke 50ms...5s	67	
	Double click	69	
Green + DOWN	Upon release key stroke 50ms...5s	70	
	Double click	72	
Green + White + 1	Upon release key stroke 50ms...5s		Invokation fix value 5
	Upon release key stroke >5s		Save fix value 5
	Double click		
Green + White + 2	Upon release key stroke 50ms...5s		Invokation fix value 6
	Upon release key stroke >5s		Save fix value 6
	Double click		
Green + White + 3	Upon release key stroke 50ms...5s		Invokation fix value 7
	Upon release key stroke >5s		Save fix value 7
	Double click		
Green + White + 4	Upon release key stroke 50ms...5s		Invokation fix value 8
	Upon release key stroke >5s		Save fix value 8
	Double click		
Green + White + ID	Upon release key stroke 50ms...5s		
	Upon release key stroke >5s		
	Double click		
Green + White + ON/OFF	Upon release key stroke 50ms...5s		
	Upon release key stroke >5s		
	Double click		
Green + White + UP	Upon release key stroke 50ms...5s		
	Double click		
Green + White + DOWN	Upon release key stroke 50ms...5s		
	Double click		
White	Upon release key stroke 50ms...5s	20	
	Upon release key stroke >5s	44	
	Double click	68	
Green	Upon release key stroke 50ms...5s	23	
	Upon release key stroke >5s	47	
	Double click	71	
Green + White	Upon release key stroke 50ms...5s		
	Upon release key stroke >5s		
	Double click		

Log-on of FS-10T at LRS-BW-FUE-01A

Preparations of FS-10T:

- Adjust remote controller turn switch on position 3
- Press FUE key for 2 seconds - LED remains
- Press green key of the remote controller (set on sub address 3 before) - receiver flashes for 2s for acknowledgement

To erase the whole remote controllers you must go ahead as follows:

- Press FUE key for 10 seconds - LED of the receiver flashes 3x >> all erased. The required remote controllers can be semi-skilled now.

We recommend to erase the remote control entries of the receiver at the first implementing.

Function display

- 1 red LED signalise the reception of a radio command

Connections

- 1 connection for the subnet (BUS A and B, RS-485)
- 1 connection for the operating voltage (Ub, 0V)

Design

- Plastic casing underplaster/surface white RAL9010

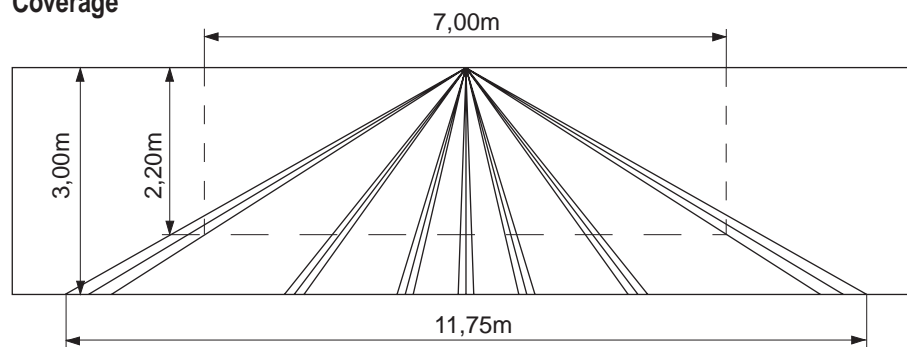
Technical data

Type	LSR-BW-FUE-01
Artikel Nr.	80085031
Carrier frequency	Standard 433MHz
Range	75m, at vision contact to sender receiver
Operating voltage	12V to 30V DC
Current consumption	max. 30mA
Dimension	DxH 120x50mm + lense (surface version)
Weight	195g
Connection	20cm line with RJ10 plug (to sensor) and screwterminals 1,5mm ² for BUS
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C
Protection grade	IP 20
Immunity	Conform EN61000-6-1, EN61000-6-2, EN301 489-3 + EN300220-3 +
intereference emission	EN300220-1
CE sign	Yes

Terminals assignment

≡ Ub	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)

Coverage



Wiring diagram

