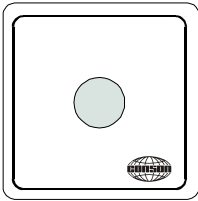
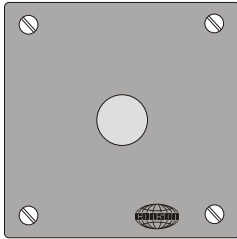


Operation and control accessories

Light sensor with ON/OFF pulse or constant
Signal type CP75H and CP75S



Light sensor - white FUGA 50x50mm for indoor installation type CP 75H
EAN-No. 5703513007409



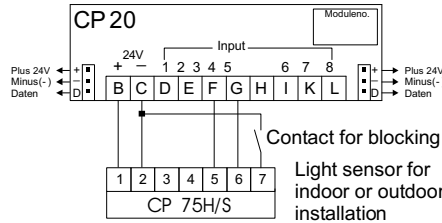
Light sensor - IP55 60x60mm for outdoor installation type CP 75S
EAN-No. 5703513007539

Product description

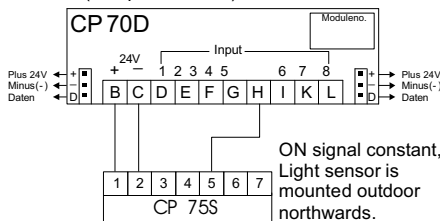
The Sensor type Cp75 is developed for Conson's CONCEPT 2000 system. The sensor CP75 be used as twilight relay or for daylight dependent "cut off" control of light switches or groups. Light sensor type CP75 provide many possible applications. The operation range is from 0-800 Lux and the entire measuring range. The sensor CP75 has following outputs:
- Output with 1,0-13,5V DC (0-800Lux) for Light dimmer CP31CP31.
- ON minus (-), pulse or constant output.
- OFF minus (-), pulse or constant output.
In addition it is possible to block the ON and OFF outputs. This function ensures that manual overdrive is always possible, and that a clock or anything else can block for the ON and OFF control. For blocking constant minus (-) is used. The OFF output turns on automatically at blocking.

Connection example

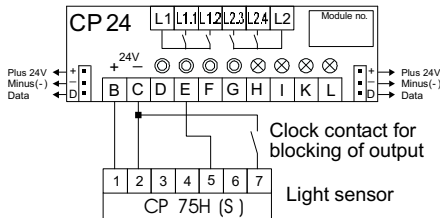
Connection of "Cut off" control of active modules with pulse or constant on/off signal. Active modules must be programmed for this function.



Connection of twilight relay function in connection with Time-Link type CP 70D (ON signal constant). Outdoor lighting is always turned off in the period 24 -6 (see product info).



Connection of twilight relay function directly on control input of relay module type CP 24. Input on CP 24 is programmed with special function "Help" (SF1-SF4). External clock for blocking with constant minus(-) is applicable.

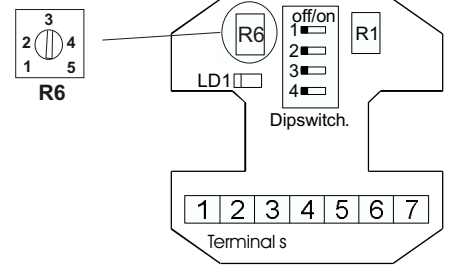


Settings of light level for ON/OFF- outputs (is carried out on R6).

Setting of R6	Light levels for ON/OFF signals	
	ON-signal at	OFF-signal at
1	940 Lux	1280 Lux
2	900 Lux	1200 Lux
3	670 Lux	740 Lux
4	70 Lux	95 Lux
5	2 Lux	9 Lux

*See top right-hand fig. on this page.
*Factory set (3)

Connection print on the backside



Terminals:

Low current

- Terminal 1 Plus 24V DC (+)
- Terminal 2 Minus (-)
- Terminal 3 Output 4,75 - 0,75V DC (0-800Lux)
- Terminal 4 Output 1,0-13,5V DC (0-800Lux)
- Terminal 5 Output for ON signal (-)
- Terminal 6 Output for OFF signal (-)
- Terminal 7 Blocking input (-) blocking with constant signal

The table shows settings of Dipswitch for function of ON/OFF- outputs

Setting Dipswitch	Output function	
	ON output	OFF output
2- OFF	without delay	without delay
3- OFF	pulse signal	-
4- OFF	-	pulse signal
2- ON	app.1m delay	app.1m delay
3- ON	constant signal	-
4- ON	-	constant signal

*Factory set. Dipswitch 3+4 ON

Technical data CP75H and CP75S

Low current

- Voltage 24V DC
- Current at 24V DC 12 mA
- Power consumption at 24V DC 0,22 VA
- Load on on/off outputs max.75 mA
- Impulse time on/off outputs app. 1 sec.
- Cable dimension e.g. 0,6mm Ø
- Cable length R max. 1K-ohm

Mechanical data

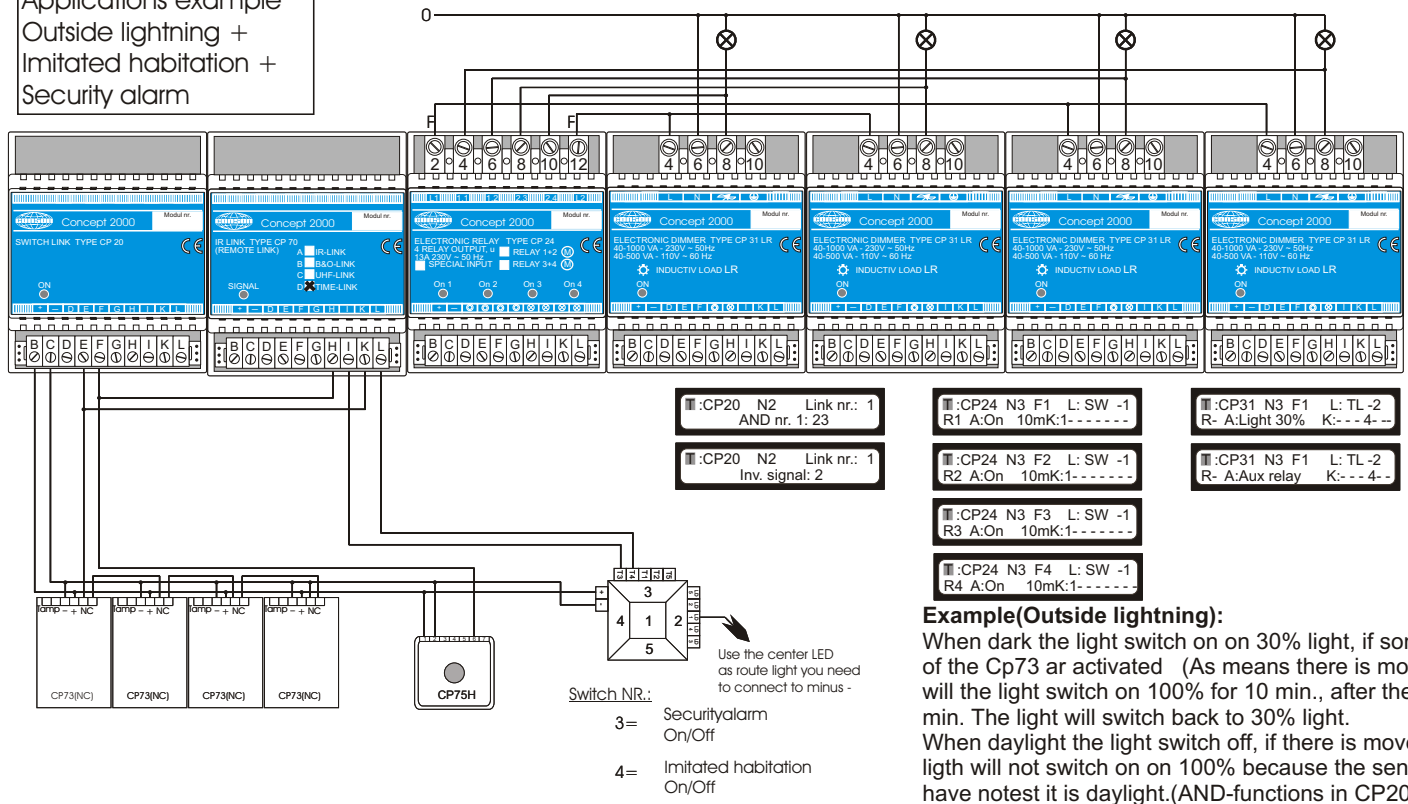
- Temperature range -5....+35 C
- Weight CP 75H 40 gram
- Weight CP 75S 50 gram

Dimensions (WxHxD):

- CP 75H - FUGA 50x50x40 mm
- CP 75S - IP55 80x80x56 mm



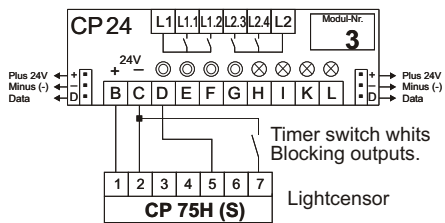
Applications example
 Outside lightning +
 Imitated habitation +
 Security alarm



Example(Outside lightning):

When dark the light switch on on 30% light, if someone of the Cp73 ar activated (As means there is moves), will the light switch on 100% for 10 min., after the 10 min. The light will switch back to 30% light. When daylight the light switch off, if there is moves the light will not switch on on 100% because the sensor have notest it is daylight.(AND-functions in CP20).

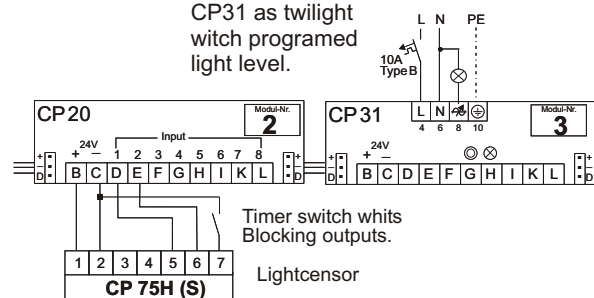
CP24 as Twilight



How to works:
 When it's get dark the relay switch on, when daylight the relay switch off.

CP24S N3 SF1
 R1 A: Aux relay

CP31 as twilight witch programed light level.



How to works:
 When it's get dark the relay switch on on 50%, when daylight the relay switch off.

CP31 N3 F1 L: SW -1 R- A:Light 50% K:1-----

CP31 N3 F2 L: SW -1 R- A:off K:-2-----

