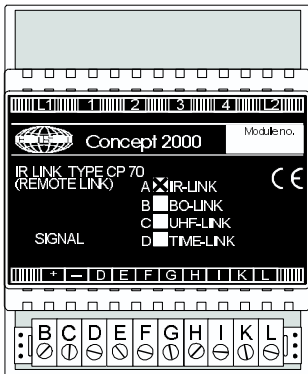


IR-Link type CP 70A

IR-Link type CP 70A



EAN-No. 5703513006303

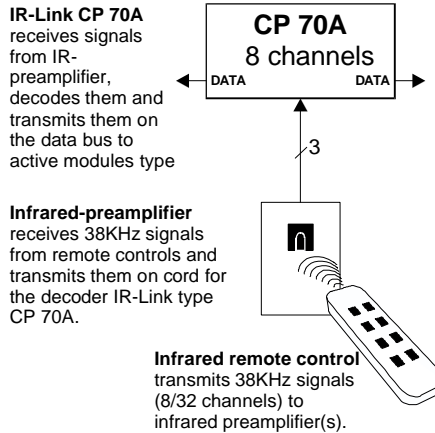
Product description

Remote control module IR-Link type CP 70A is especially developed for remote control of CONCEPT 2000 light control system with 38KHz infrared remote controls type CP 76 (8 channels) and type CP 79 (32 channels). IR-link type CP 70 can transmit 8 channels on the data bus and with possibilities of connection of up to 8 IR-preamplifiers. The module transmits at impact via infrared preamplifier a command over the data bus. Commands are received by the respective relay and dimmer modules, which then react on the command as required. The addressing and programming are done by means of IR-remote control and programming keys CONKEY type CP 79. The channel range to be used (1-8, 9-16, 17-24 etc. see table of functions on the back) is programmed into the module. Only one channel range at a time can be active pr. module. Up to 4 pcs. CP 70 can be connected on the bus i.e. 32 channels can be established for IR remote control. Power supply is via the 3-pin plug provided, which is connected to the modules. Via this plug plus (24 V DC), minus and data are connected.

Installation guide.

Mount the module on the DIN rail and connect the plug between the modules. Via this plug +/- and "data cord" are connected. Connect low current to the module, and check connection before voltage is supplied for the module. CP 70A must have external power supply from type CP 11 (18-28 V DC).

Functional principle of IR-Link type CP 70A



Control options with IR-Link

Light requirements

	DINING TABLE	WALL	CEILING	COFFEE TABLE
Light scene 1 MEAL	■	■	■	■
Light scene 2 GUESTS	■	■	■	■
Light scene 3 TELEVISION	■	■	■	■
Light scene 4 CLEANING	■	■	■	■

Toggle switches

ON/OFF



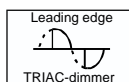
Relay module type CP 24

Help relays (Curtain control)

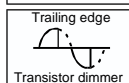


Relay module type CP 24

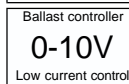
Light dimmers



Dimmer module type CP 31LR



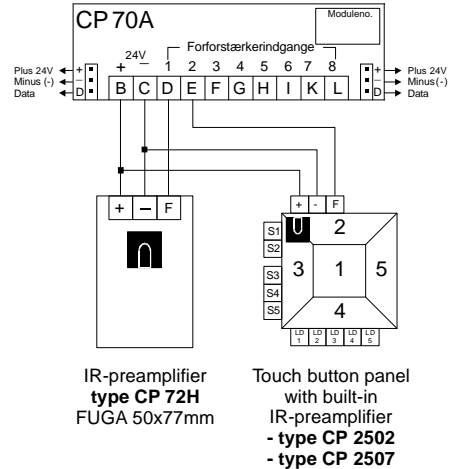
Dimmer module type CP 31CR



Dimmer module type CP 31BC

ON/OFF + REGULATION

Connection diagram IR-Link type CP 70A



Terminals (low current)

Terminal	Symbol	Input
Terminal B	+	Plus 24V DC
Terminal C	-	Minus (-)
Terminal D	D	Preamplifier input 1
Terminal E	E	Preamplifier input 2
Terminal F	F	Preamplifier input 3
Terminal G	G	Preamplifier input 4
Terminal H	H	Preamplifier input 5
Terminal I	I	Preamplifier input 6
Terminal K	K	Preamplifier input 7
Terminal L	L	Preamplifier input 8

Technical data IR-Link type CP 70A:

Low current

Voltage	24V DC (18-28V)
Current at 18 V DC max.	30 mA
Power consumption at 18 V DC max.	0,5 VA
Power consumption pr. preamplifier	0,6 VA
Impulse time min.	50 ms
Terminals for max.	2,5mm Ø
Cable length	max. 100 m

Mechanical data for CP 70A

Temperature range	-5°.....+35°C
Installation	for building-in
Isolation	4KV > 8 mm
Insulation	DIN 40050
DIN rail symmetric	DIN 46277
Dimensions (H x W x D)	85x70x72
Weight CP 70A	100 g



IR-Link type CP 70A

Programming of IR-Link type CP 70:

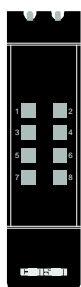
At programming the following must be stated: module no. (1-200, depends of position), Link-no. (1-4, max. 4 pcs.), remote control type (HS Type:1-4) and remote control no. (HS no. 1-52= channel range).

T:CP70A N4 Link-No. 1
T Type:1 T no: 1

- T Type: 1 - 8 channel IR remotecontrol type CP 76
- 32 channel remote control type CP 79
- T Type: 2 - No use
- T Type: 3 - No use
- T Type: 4 - No use
- T no: 1 - Channel range 1-8
- T no: 2 - Channel range 9-16
- T no: 3 - Channel range 17-24
- T no: 4 - Channel range 25-32
- to
- T no. 64 - Channel range 505-512

NOTE! IR-Link-no. 1-4 only transmit channel 1-8 on the data bus, even though you e.g. have chosen channel range/HS no. 17. IR remote controls type CP 76 with 8 channels can be coded for 64 channel ranges. Remote control type CP 79 only transmits from channel 1-32 and cannot be coded to other channel ranges. The module CP 70A is preprogrammed with module no. 4, Link-no. 1 (see above).

IR remote controls for remote control with IR-Link type CP 70A:



Type CP 76
Infrared remote control 8 channels
EAN-NO. 5703513006723
CP 76 is manufacture coded to channel 1-8.
7 6 5 4 3 2 1
S1 [diagram] Code change-over switch on the print in CP 76
S2 [diagram]
8 7 6 5 4 3 2 1
To be able to choose another channel range the remote control cabinet must be opened by loosening 4 screws on the back (2 screws under battery cover).

Type CP 79
Infrared remote control 32 channels + programming key
EAN-NO. 5703513007119



With the centre button the chosen channel number is transmitted

Remote control menu for light control with 1-32 channels CP 79 - Remote control



Press button 1-32 channels- Link-no. 1-4				CP-Bus channel	Bus command press	Bus command let go
HS-no.1	T-no.2	T-no.3	T-no. 4			
1	9 (1)*	17 (1)*	25 (1)*	1 **	Start	Stop
2	10 (2)*	18 (2)*	26 (2)*	2 **	Start	Stop
3	11 (3)*	19 (3)*	27 (3)*	3 **	Start	Stop
4	12 (4)*	20 (4)*	28 (4)*	4 **	Start	Stop
5	13 (5)*	21 (5)*	29 (5)*	5 **	Start	Stop
6	14 (6)*	22 (6)*	30 (6)*	6 **	Start	Stop
7	15 (7)*	23 (7)*	31 (7)*	7 **	Start	Stop
8	16 (8)*	24 (8)*	32 (8)*	8 **	Start	Stop

* IR remote control type CP 76 can be coded to different channel ranges (HS no.).
** REMEMBER ! Link-no. 1-4 must be programmed (max. 4 pcs. CP 70A pr. data string).
At programming of active modules IR-Link-no.1-4 and channel 1-8 must be stated.

Application example: Application of 4 pcs. IR-Link type CP 70A in 4 different rooms (4x8 channels). Each 8-channel IR remote control type CP 76 can only be used in the room where it belongs, 32-kanal IR-remote control type CP 79 can be used in all rooms. The diagrams below show programming of IR-Link no. 1-4 (NOTE! Module no. N7-N10 is accidentally chosen, depends on position in the system) and remote control menu LIGHT for control with CP 79. REMEMBER! Max. 4 pcs. IR-Link pr. data string.

