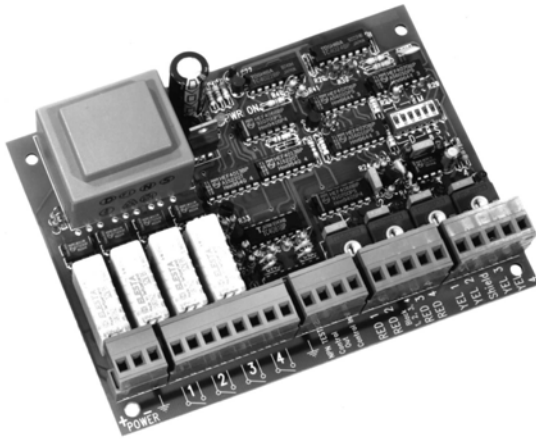


AMPLIFIER 4-Channel multiplex



Series OA 9420

The OA 9420 is applicable with all transmitters/ receivers operating with separate amplifiers.



The OA9420 is a 4-channel multiplex opto-electric amplifier. Each channel operates independantly and has separate output.

Selection of LIGHT/DARK function by DIP-switches 1-4. Each channel has adjustable gain control and LED indication of "beam on" and green LED of "power on".

Dip-switches 5 and 6 makes it possible to extend the opto-system to operate "master/ slave". The primary OA 9420 amplifier is selected as a "master" by Dip-switch 6 ("M" pos.) and DIP-switch 5 ("MB" pos.) is selected in multi-board position "MB". The secondary C9420 PC-board(s) is selected as a slave by DIP-switch 6 (slave position ("S") and DIP switch 5/ multiboard position "MB") The digital signal "control out" of C9420 master PBC to be connected to the "control in" pin of the slave PBC. Further, the digital "control out" signal of the slave PBC must be wired to the "control in" pin of the master PBC.

NB! In master-slave configuration all PBCs must have common ground.

By single-board application, Dip-switch 5 is selected in single-board position "SB" and DIP-switch 6 in master position "M"

testing procedure: NPN logic (reduce power to transmitter for correct sensitivity adjustment). When the test signal is turned on (no object between light beams), each output state will change.

The OA 9420 opto-amplifier is applicable with all transmitters/receivers operating with separate amplifiers.

Technical data

Supply options: 230,115,048,024VAC, $\pm 15\%$ 45-65Hz
024VDC +15% -15%
012VAC/DC at AC: +10% -20% 45-65Hz
DC: +50% -10%

Power consumption: approx. 5,5VA

Output: -Relay: single pole changeover 250VAC, 8A, 2000VA

Test input NPN: active low when short circuit to ground
(black) low: <2V / high: >5V (max. 30V)

PNP output: max. 100mA

Response time: <40msec.

Delay of function: < 1 sec.

Modulation Frequency: approx. 7,5KHz

Ambient temperature: - 20 °C to + 60 °C

Housing: dim. 120x170x55mm / polycarbonate IP 40

Gain control: Allows 10:1 change

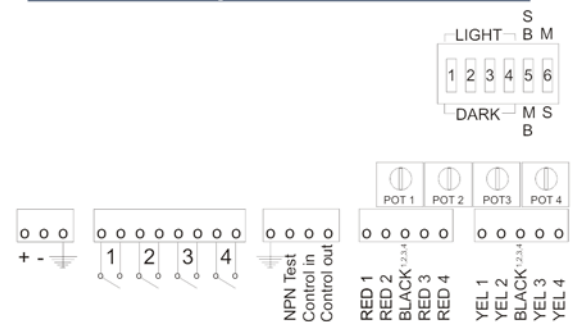
Weight: max 600 g

Type no. Identification code

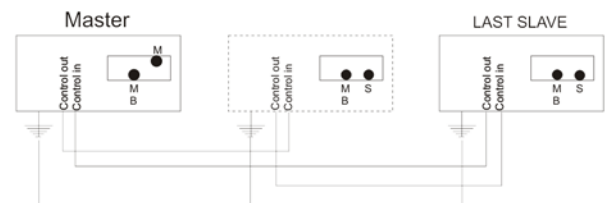
| | | | |
|--------|----------|----------|------------------------|
| 016250 | OA 9420 | with box | 230VAC relay output |
| 016251 | OA 9420 | with box | 115VAC relay output |
| 016252 | OA 9420 | with box | 048VAC relay output |
| 016254 | OA 9420 | with box | 024VAC relay output |
| 016255 | OA 9420 | with box | 024V/DC relay output |
| 016256 | OA 9420P | with box | 024V/DC PNP output |
| 016257 | OA 9420 | with box | 012VAC/DC relay output |

| | | | |
|--------|----------|-------------|------------------------|
| 016260 | OA 9420 | without box | 230VAC relay output |
| 016261 | OA 9420 | without box | 115VAC relay output |
| 016262 | OA 9420 | without box | 048VAC relay output |
| 016264 | OA 9420 | without box | 024VAC relay output |
| 016265 | OA 9420 | without box | 024V/DC relay output |
| 016266 | OA 9420P | without box | 024V/DC PNP output |
| 016267 | OA 9420 | without box | 012VAC/DC relay output |

opto-divice



WIRING DIAGRAM FOR OA 9420 IN MASTER/SLAVE SETUP LAST SLAVE



Dimension (mm)

