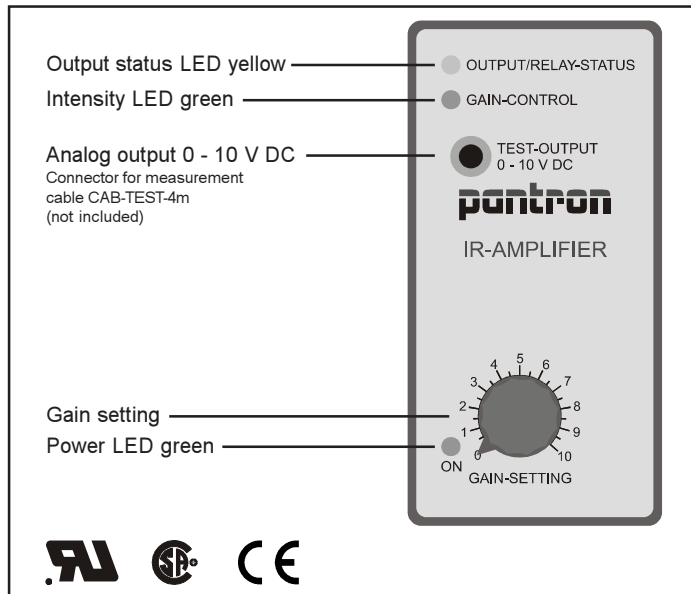
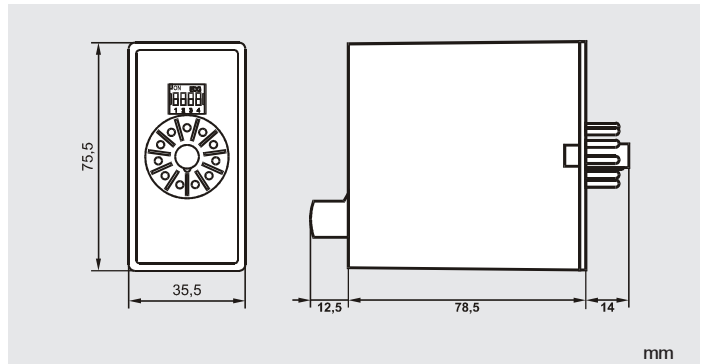


Amplifier

Measurement amplifier ISG-N24M...



- Adjustment and test function via analog output 0 - 10 V DC (for connecting a measurement unit)
- Detection range up to 35 m
- Relay output
- Transistor output npn / pnp
- Sensitivity adjustable with potentiometer
- Test input
- 4 different selectable transmit frequencies
- System power 20 % / 100 % switchable
- Switching mode light / dark selectable



Technical Data

at +20 °C

| | |
|-------------------------------|---|
| Max. range (through beam) | |
| Sensor heads IT-P10, IR-P10 | 25 m |
| Sensor heads IT-P10HP, IR-P10 | 35 m |
| Supply voltage | see purchase order table below |
| Operating basis | modulated IR light |
| Transmit frequency (kHz) | 3,5 / 3,8 / 4,0 / 4,5 |
| Switching mode | light / dark, switchable |
| System power | 20 % / 100 %, switchable |
| Switching delay | - |
| Analog output | 0 ... 10 V DC |
| Relay output | changeover, 5 A / 230 V A |
| Switching frequency | 18 Hz |
| Transistor output | DC: npn / pnp, 100 mA (30 V DC) AC: npn, 30 mA / pnp, 5 mA (12 V DC) |
| Switching frequency | 30 Hz |
| Test input | 24 V DC |
| Housing material | plastic |
| Protection class | IP 40 |
| Operation temperature | -25 °C ... +60 °C |

Purchase order table

| Supply voltage | Model |
|---------------------------|-----------------|
| 230 V AC / ±10 % / 2,4 VA | ISG-N24M/230VAC |
| 115 V AC / ±10 % / 2,4 VA | ISG-N24M/115VAC |
| 24 V AC / ±10 % / 2,4 VA | ISG-N24M/24VAC |
| 24 V DC / ±20 % / 2,0 W | ISG-N24M/24VDC |

Accessories

| | |
|-------------------------|-------------|
| 11-pole DIN socket | ISO 1 |
| Cable for analog output | CAB-TEST-4m |

DIP switch setting

| 1 | | 2 | | 3 | | 4 | |
|--------------|-----|----------------|-----|--------------------|-----|-----|--|
| System power | | Switching mode | | Transmit frequency | | | |
| 20 % | ON | dark | ON | 3,5 kHz | ON | ON | |
| | | | | 3,8 kHz | ON | OFF | |
| 100 % | OFF | light | OFF | 4,0 kHz | OFF | ON | |
| | | | | 4,4 kHz | OFF | OFF | |

The factory setting is marked in gray

Connection diagram

