



1-channel amplifier ISM-1000

- Detection range up to 55 m
- Manual operation
- Switching behaviour light
- Floating distance switching output - short circuit proof
- Test input for system check
- Mounting for DIN rail (EN 60715)

Technical data (at 20°C)

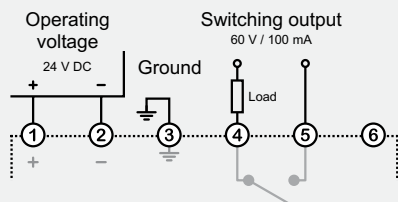
Operating voltage	24 V DC / ±20% / 2.4 W
Operating basis	modulated infrared light
Transmit frequency	4.0 kHz
Transmit power	manual
Basic transmit level	high
Switching behaviour	light
Switching delay	—
Multiplex speed	—
Master/Slave operation	—
Switching output	semiconductor relay, normally open
Operation values (max.)	100 mA / 60 V AC (DC)
Reaction time	24 ms
Alarm output / Error output	— / —
Test input	0 ... 30 V DC
Analog output	—
COM-Interface	—
Housing material	NORYL, grey
Protection class (EN 60529)	IP 20
Connection	see purchase order table
Wire size	0.14 ... 2.5 mm ²
Operating temperature	-25 °C ... 50 °C
Dimensions (W x H x D)	35.5 x 90 x 58.5 mm
ISM-1000	see picture 3 on page 55
ISM-1000S	see picture 4 on page 55

For more detailed information see www.pantron.com

Maximum Range (through beam)

	Receiver IRL...	Receiver IR...
Transmitter IT-..., ITL-...	7 m	15 m
Transmitter IT-...HP, ITH-...	10 m	25 m
Transmitter ITA-...	20 m	55 m

Connection diagram



Purchase order table

Connection	Order code
Plug (screw terminals)	ISM-1000/24VDC
Screw terminals	ISM-1000S/24VDC

Accessories	Order code	Page
Protective enclosure	PanBox 1x1	78
Power supply PSU-1000	PSU-1000S/95...265VAC	80

Device description

