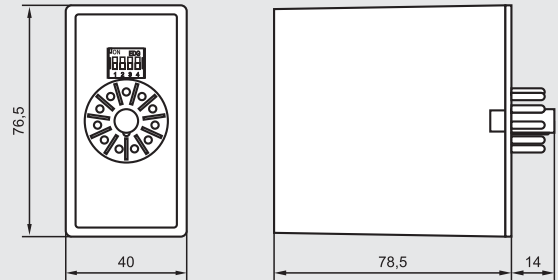
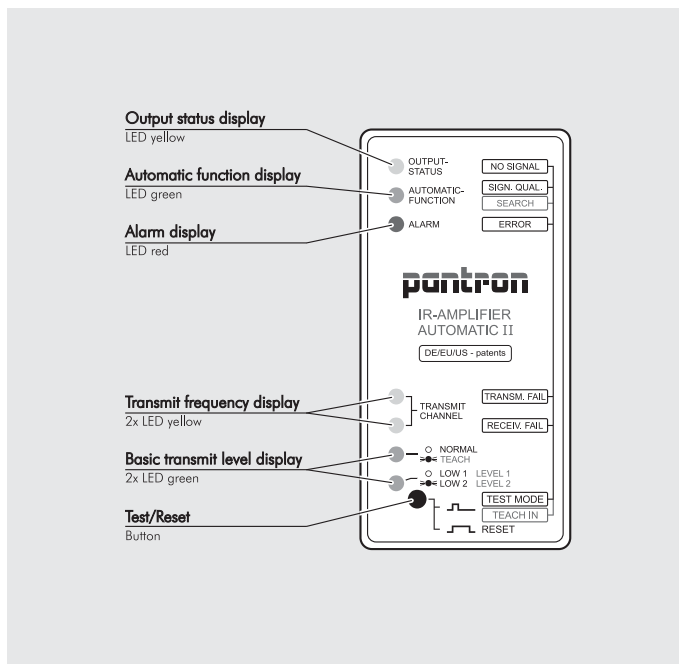


1-channel Amplifier ISG-A144

- Detection range up to 50 m
- Automatic transmit power adjustment
- Teach function
- Test function
- Basic transmit level 2-fold selectable
- Switching behavior light / dark selectable
- Transmit frequency 2-fold selectable
- Relay output, change over
- Alarm output
- Test input for system check



in mm



Technical data (at +20°C)

Operating voltage	see purchase order table
Operating basis	modulated infrared light
Transmit frequency	3,9 kHz / 4,1 kHz
Transmit power	automatic
Switching behavior	light / dark
Basic transmit level	low1 / low2
Switching delay	-
Teach function	teach1 / teach2
Switching output relay	change over, 5 A / 230 V AC (24 V DC)
reaction time	25 ms
Switching output transistor	-
reaction time	-
Alarm output ...AC	pnp, 5 mA / 24 V DC
...DC	pnp, 100 mA / 24 V DC
Test input	0 ... 30 V DC
Housing material	plastic
Protection class	IP 40
Connection	11-pin DIN-plug
Operation temperature	-25 °C ... +50 °C

Purchase order table

Operating voltage	Order table
230 V AC / ±10 % / 4,8 VA	ISG-A144/230VAC
115 V AC / ±10 % / 4,8 VA	ISG-A144/115VAC
24 V AC / ±10 % / 4,8 VA	ISG-A144/24VAC
24 V DC / ±20 % / 2,2 W	ISG-A144/24VDC

Accessories

11-pole DIN-socket	ISO1
Protective enclosure	PanBox 1x1

Maximum Range

	Receiver IRL-...	Receiver IR-...
Transmitter IT-..., ITL-...	7 m	15 m
Transmitter IT-...HR..., ITH-...	10 m	25 m
Transmitter ITA-...	20 m	50 m

Amplifier mode (Factory setting is marked in white)



	1	2	3	4
Operation mode	Switching behavior		Transmit frequency	
teach2	ON	ON	dark	ON
teach1	ON	OFF	light	OFF
low2	OFF	ON	3,7 kHz	OFF
low1	OFF	OFF	4,1 kHz	ON

Connection diagram

