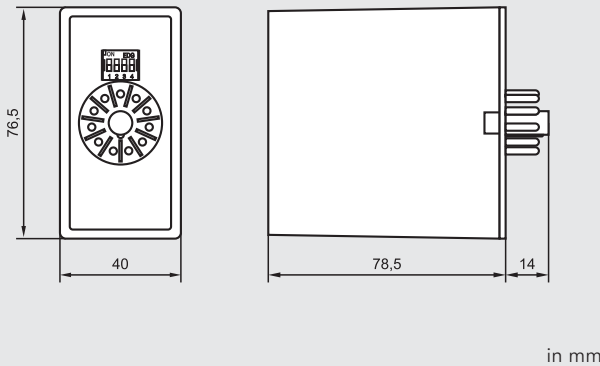


ISG-Series

1-channel Amplifier **ISG-A143**



- 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
- Transistor output, pnp / npn
- Alarm output
- Test input for system check

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	-
reaction time	-
Switching output transistor	pnp / npn, 100 mA / 30 V DC
reaction time	25 ms
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

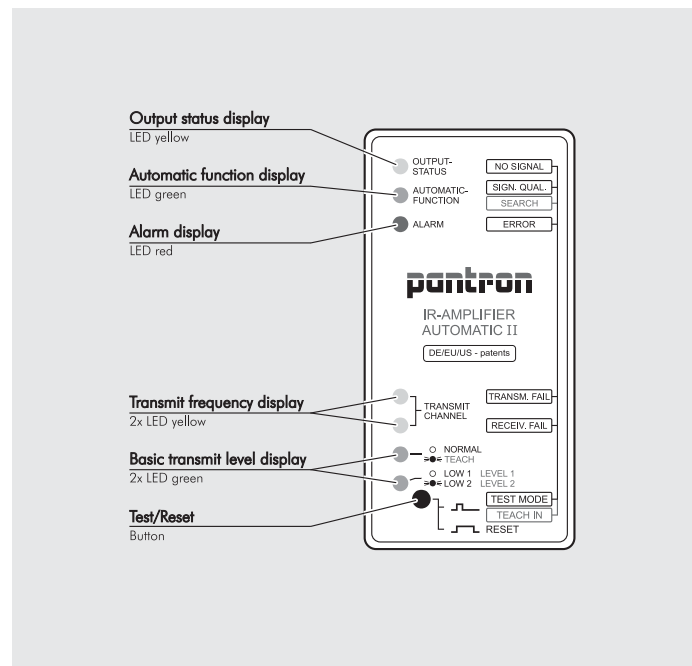
Operating voltage	Order table
230 V AC / ±10 % / 4,6 VA	ISG-A143/230VAC
115 V AC / ±10 % / 4,6 VA	ISG-A143/115VAC
24 V AC / ±10 % / 4,6 VA	ISG-A143/24VAC
24 V DC / ±20 % / 2,1 W	ISG-A143/24VDC

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	4,1 kHz	ON
teach1	ON	OFF	light	OFF	3,7 kHz	OFF
low2	OFF	ON				
low1	OFF	OFF				

Connection diagram

