

## 1-channel Automatic Amplifier ISG-A102

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### Features

- Detection range up to 25 m (82 ft)
- Adjustment aid via test function
- Test input for transmitter switch-off
- Alarm output for indication of functional reserve
- 2 different switchable transmit frequencies
- 4 different switchable transmit levels
- Relay output
- Switching mode light / dark selectable

### Ordering Table

230 VAC / +/- 10% / 2.4 VA	ISG-A102/230 VAC
115 VAC / +/- 10% / 2.4 VA	ISG-A102/115 VAC
24 VAC / +/- 10% / 2.4 VA	ISG-A102/24 VAC
24 VDC / +/- 20% / 2.0 W	ISG-A102/24 VDC

### DIP Switch Settings

Basic transmit level			Switching mode		Transmit freq.	
high 2	ON	ON	dark	ON	4.1 kHz	ON
high 1	ON	OFF				
low 2	OFF	ON	light	OFF	3.7 kHz	OFF
low 1	OFF	OFF				

### Technical Data (at 20 °C)

Operating voltage	see purchase order table
Operating basis	modulated infrared light
Transmit frequency	3.7 kHz and 4.0 kHz, switchable
Transmit power	automatic adjustment
Switching mode	light / dark switchable
Basic transmit level	low 1 / low 2 / high 1 / high 2
Switching delay	-
Relay output	1 changeover
Maximum load	5 A / 230 VAC (24VDC)
Switching frequency	20 Hz (low) / 11 Hz (high)
Alarm output	pnp, 24 VDC
Maximum load	AC: 5 mA; DC: 100 mA
Test input	0 ... 30 VDC
Housing material	plastic
Protection class	IP 40
Connection	Clip 4 mm <sup>2</sup>
Operating temperature	-13 °C ... +140 °C

### Connection Diagram

