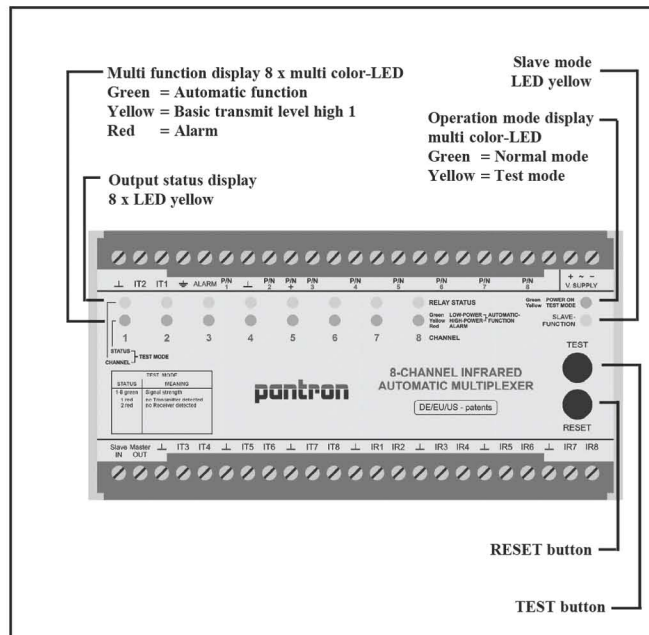
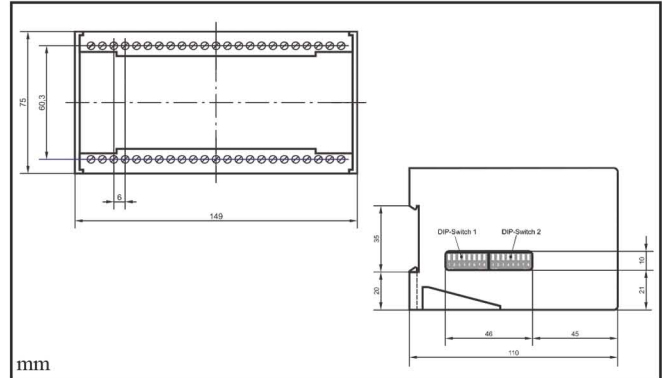


# Multiplexer

## 8-channel automatic IMX-A831...

- Detection range up to 25 m (82ft)
- Transmit power for each channel with automatic adjustment
- Test function to check installation and signal quality
- One transistor output NPN / PNP for each channel
- Switching mode light / dark selectable for each channel
- 2 different switchable basic transmit levels
- Master-Slave mode



### Technical Data

#### at +68°F

Max. range (through beam)	
Sensors II-P10, IR-P10	15 m (49ft)
Sensors II-P10HP, IR-P10	25 m (82ft)
Supply voltage	purchase order table below
Operating basis	modulated IR light
Transmit frequency	4.0 kHz
Transmit power	automatic adjustment
Switching mode	light / dark, switchable
Basic transmit level	low 1, high 1 switchable
Multiplex speed	34 ms
Master-Slave mode	yes
Transistor output	8 X npn / pnp, max. 30 VDC
Maximum load	100 mA
Switching frequency	15 Hz
Alarm output	pnp, 24 VDC
Maximum load	AC: 5 mA; DC: 100 mA
Housing material	plastic
Protection class	IP 20
Connection	clip 4 mm <sup>2</sup>
Operating temperature	-13°F ... +140°F

### DIP switch settings

DIP set 1		DIP set 2	
Switching mode channel 1-8		Basic transmit level channel 1-8	
dark	ON	high 1	ON
light	OFF	low 1	OFF

### Purchase order table

Supply voltage	Model
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230 VAC / +/- 10% / 10 VA	IMX-A831/230 VAC
115 VAC / +/- 10% / 10 VA	IMX-A831/115 VAC
24 VAC / +/- 10% / 10 VA	IMX-A831/24 VAC
24 VDC / +/- 20% / 8 W	IMX-A831/24 VDC

### Connection diagram

