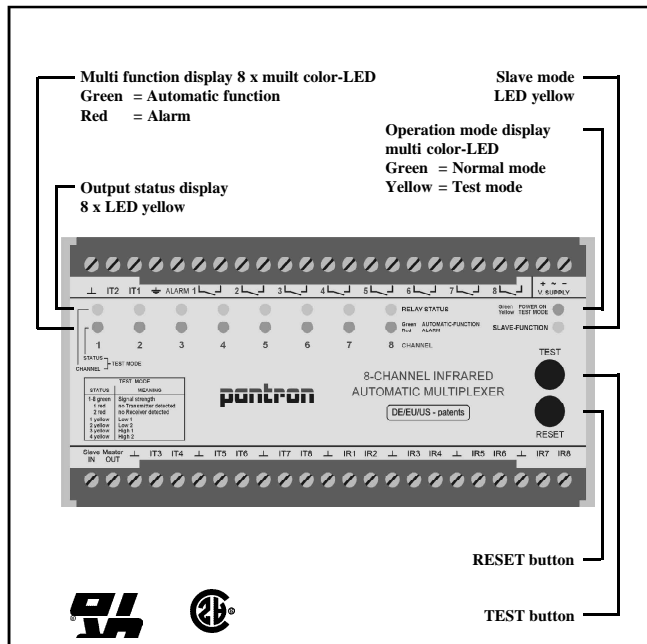
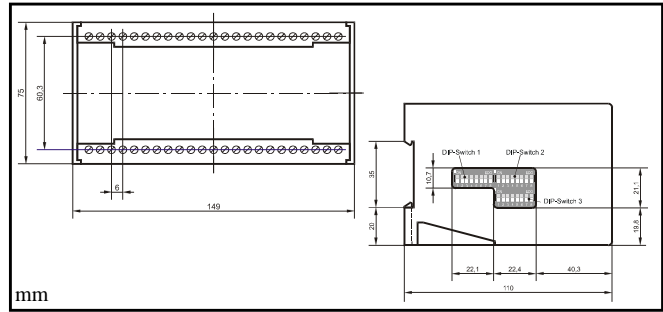


Multiplexer

8-channel automatic-multiplexer IMX-A842...



- Detection range up to 25 m
- Transmit power for each channel with automatic adjustment
- Test function to check installation and signal quality
- One relay output for each channel
- Switching mode light / dark selectable for each channel
- 4 different selectable basic transmit levels
- Master-Slave mode



Technical Data at +68°F

Max. range (through beam)	
Sensors IT-P10, IR-P10	15 m (49ft)
Sensors IT-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, low 2, high 1, high 2
Multiplex speed	34 ms
Master-Slave mode	yes
Relay output	8 X NO
Maximum load	each 5 A / 250 VAC (24 VDC)
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 ²
Operating temperature	-13°F ... +140°F

DIP switch settings

DIP set 1		DIP 2	DIP 3
Switching mode		Basic transmit level	
		high 2	ON
		high 1	ON
dark	ON	low 2	OFF
light	OFF	low 1	ON
		low 1	OFF
		low 2	OFF

Purchase order table	Model
Supply voltage	
230 VAC / +/- 10% / 10 VA	IMX-842/230 VAC
115 VAC / +/- 10% / 10 VA	IMX-842/115 VAC
24 VAC / +/- 10% / 10 VA	IMX-842/24 VAC
24 VDC / +/- 20% / 8 W	IMX-842/24 VDC

Connection diagram

