

IB-27 SENSOR INFRARED RANGE 1.5 M 12 Vdc

■ Features

- Stop time selection function
(Selectable stop time 2 / 7 / 15sec.)
- 4 steps variable function for front sensing area
(7.5°, 14.5°, 21.5°, 28.5° 4steps variable)
- Right/Left sensing area elimination function
- Power supply
(24-240VAC/24-240VDC, 12-24VAC/12-24VDC)
- Built-in Microprocessor



Please read "Caution for your safety" in operation manual before using.



■ Specifications

Model	IB-27
Cover color	Silver
Power supply	24-240VAC ±10% 50/60Hz, 24-240VDC ±10% (Ripple P-P:Max. 10%)
Power consumption	Max. 4VA at 240VAC
Control output	(★1) Relay contact output [Relay contact capacity : 50VDC 0.1A (Resistive load) Relay contact composition : 1a
Relay life cycle	Mechanical : Min. 20,000,000, Electrical : Min. 50,000
Mounting height	2.0m ~ 2.7m (Max. sensing distance : 3m)
Sensing method	Infrared reflection method (Diffuse reflective type)
Output delay time	Time delay approx. 0.5sec.
Output holding time	Selectable 2 / 7 / 15sec. by slide switch
Interference prevention	H, L (Interference prevention switch)
Front sensing area	7.5° , 14.5° , 21.5° , 28.5° : Set angle by adjuster
Adjustable sensing area	(1, 2, 3 Area), (7, 8, 9 Area) Eliminate each by each : Adjustment with switch for eliminate Right/Left sensing area
Light source	Infrared chip diode (modulated)
Indicator	Power on : Green LED turns on, Sensing : Red LED turns on
Connection method	Connector wire connection
Insulation resistance	Min. 20MΩ (at 500VDC mega)
Noise strength	±2,000V the square wave noise (pulse width:1μs) by the noise simulator
Dielectric strength	1,000VAC 50/60Hz for 1 minute
Vibration	1.5mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 2 hours
Shock	100m/s ² (Approx. 10G) in X, Y, Z directions for 3 times
Ambient illumination	Sunlight : Max. 11,000lx, Incandescent lamp : Max. 3,000lx
Ambient temperature	-20℃ ~ +50℃ (at non-freezing status), Storage : -20 ~ +70℃
Ambient humidity	35 ~ 85%RH, Storage : 35 ~ 85%RH
Accessory	Cable : 2.5m, Mounting screw : 2EA, Mounting template
Protection	IP50 (IEC standard)
Material	Case : ABS, Lens : Acrylic, Lens cover : Acrylic
Unit weight	Approx. 320g

※ (★1) Do not use Load which is beyond the rated capacity of contact point of Relay.
It can cause bad insulation, contact fusion, bad contact, relay breakdown, and fire etc.