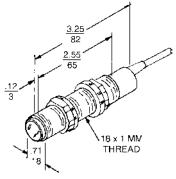
The **7650 Series** was developed for its AC/DC power supply, SPDT output and easy mounting. Available in four operating modes, these units can handle almost all of your sensing applications. They have a NEMA 4 rating and an operating temperature range from -13 to 140°F, so they can withstand the harshest environments. Two output types, relay and FET, make this series ideal for almost any application.

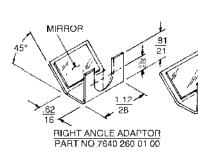
automatictiming.com

- Universal AC/DC Power Supply
- Easy to mount
- SPDT Relay or FET output
- NEMA 4 Housing, Potted

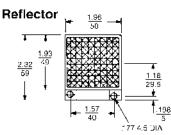
Self-Contained Isman Cylindrical Photoelectric

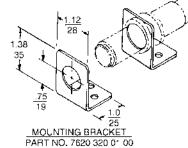
DIMENSIONS (INCHES/MILLIMETERS)











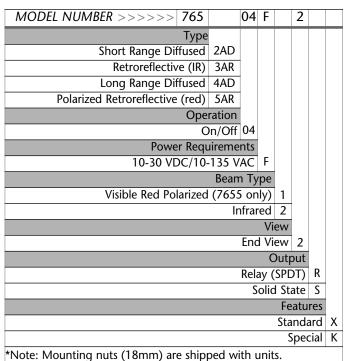
CONVERSION FACTORS							
To Convert	Multiply By	To Obtain					
mm	0.0397	inches feet					
М	3.281						
g	0.0353	ounces					
Kg cm	0.07	feet, pound					

SPECIFICATIONS

			7652A Short Range Diffused	7653A Retroreflective	7654A Long Range Diffused	7655A Retroreflective Polarized	
SENSING		Maximum Distance	4" (10 cm)	12' (3.5 m)*	18" (0.5 m)	12' (3.5 m)*	
		Minimum Target Size	0.2" (5 mm)	2.0" (5.1 cm)**	0.5" (1.25 cm)	2.0" (5.1 cm)**	
INPUT		Voltage	10 to 30 VDC/10 to 135 VAC				
		Current (nominal)	45 mA Max.				
LELAY FET		Type	DPST FET: Short Circuit Protected Using 10 to 30 VDC				
	FET	Capacity	120 mA				
		Response Time	<3 ms				
		Max. Switching Rate	166 Hz				
	 	Туре	SPDT Relay				
		Capacity	1.0A @ 30 VDC: 0.5A @ 120 VAC (20 cpm)				
	REL	Response Time	<5 ms				
		Max. Switching Rate	100 Hz				
FEATURES		Operating Mode	Light-On / Dark-On				
FLATURE3		Status Indicator	Red LED				
ENVIRONMENT		Ambient Temperature	-13° to 140° F (-25° to 60° C)				
		Humidity	Maximum Relative Humidity 85%				

^{*} Using 2" square reflector supplied with sensor. See Ordering Codes for other reflectors.

^{**} Object size shown equals reflector size. Detection of smaller objects possible. NOTE: All diffuse distances are accomplished with a 2" X 2" 90% reflective Kodak white card.



*Note: Mounting nuts (18mm) are shipped with units. A 2" square reflector shipped with retroreflective units.

ACCESSORIES

7650-715-01-00: Mounting Nuts (18mm) 7620-320-01-00: Mounting Bracket 7640-260-01-00: Right Angle Adapter

REFLECTORS

7002-210-01-00: 3" Diameter Retroreflective Target

Sensing Distance-9.0 ft.

7002-210-02-00: 1-5/8" Diameter Retroreflective Target

Sensing Distance-5.5 ft.

7002-210-03-00: 7/8" Diameter Retroreflective Target

Sensing Distance-5.0 ft.

7002-210-04-00: 5/8" Diameter Retroreflective Target

Sensing Distance–3.0 ft.

0000-181-20-00: 1-1/2 X 3" Adhesive Backed Reflector

Sensing Distance–7.0 ft.

0000-181-53-00: 1.4" Square Reflector

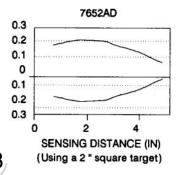
Sensing Distance-8.0 ft.

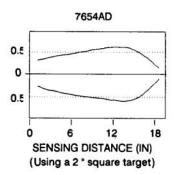
0000-181-52-00: 2" Square Reflector*

Sensing Distance-12.0 ft.

*Note: Mounting nuts (18mm) are shipped with units. A 2" square reflector shipped with retroreflective units.

OPERATING CHARACTERISTICS





WIRING SOLID RED Sensor Volts 10 to 30 VDC or STATE 10 to 135 VAC 7652A 7653A BLACK 7654A 7655A GREEN BROWN 135 V AC or 200 V DC Max. YELLOW DUAL FET OUTPUT (SPDT) RELAY RED 10 to 30 VDC or 10 to 135 VAC 7652A 7653A BLACK O Volts 7654A 7655A GREEN Load Ţ **BROWN** 0.5 A at 120 V AC 1.0 A at 30 V DO YELLOW RELAY OUTPUT (SPOT)

OPERATING MODES

