

Model Contribute to Overall Cost Reduction

E3JM Terminal Block Models

- Easy to wire and adjust.



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.



Be sure to read *Safety Precautions* on page 7.

Ordering Information

Sensors (Refer to *Dimensions* on page 9.)

Red light Infrared light

Sensing method	Appearance	Connection method	Sensing distance	Operation mode	Output configuration	Functions	Model
Through-beam (Emitter + Receiver) *		Terminal block	10 m	Light-ON Dark-ON (switch selectable)	Relay	---	E3JM-10M4-N Emitter: E3JM-10L-N Receiver: E3JM-10DM4-N
						Timer	E3JM-10M4T-N Emitter: E3JM-10L-N Receiver: E3JM-10DM4T-N
					DC SSR	---	E3JM-10S4-N Emitter: E3JM-10L-N Receiver: E3JM-10DS4-N
						Timer	E3JM-10S4T-N Emitter: E3JM-10L-N Receiver: E3JM-10DS4T-N
Retro-reflective with MSR function	E39-R1 (provided)		4 m		Relay	---	E3JM-R4M4
						Timer	E3JM-R4M4T
					DC SSR	---	E3JM-R4S4
						Timer	E3JM-R4S4T
Diffuse-reflective			700 mm		Relay	---	E3JM-DS70M4
						Timer	E3JM-DS70M4T
					DC SSR	---	E3JM-DS70S4
						Timer	E3JM-DS70S4T

*Through-beam Sensors are sold in sets that include both the Emitter and Receiver. An order for the Emitter or Receiver alone cannot be accepted.

Note: UL-listed models have the -US suffix. The model number for an E3JM Through-beam Sensor ends in "-US" (and not in "-N"). (Example: E3JM-10M4-US).

Tightening nuts, washers, and rubber bushings are not provided with these models.

Change: Shape of the E3JM conduit socket

Accessories (Order Separately)

Slit (A Slit is not provided with the Sensor for through-beam. Order a Slit separately if required.) (Refer to *Dimensions* on page 9.)

Slit width	Sensing distance	Minimum detectable object (reference value)	Model	Quantity	Remarks
1 mm × 20 mm	E3JM-10□4(T)-N	1.2 m	1-mm dia.	E39-S39	1 Slit each for the Emitter and Receiver (2 Slits total) (Seal-type long slit) Can be used with the E3JM-10□4(T)-N Models.

Reflectors (A Reflector is required for each Retro-reflective Sensor.)

The E39-R1 Reflector is provided with the Sensor. Order other Reflectors separately if required. (Refer to *Dimensions* on E39-L/E39-S/E39-R.)

Name	Sensing distance	Model	Quantity	Remarks
Reflectors	E3JM-R4□4(T)	4 m	E39-R1	1 Provided with the E3JM-R4□4(T)

Note: Refer to *Reflectors* on E39-L/E39-S/E39-R for details.

Mounting Bracket

Some Mounting Brackets are provided with the Sensor. Order other Mounting Brackets separately if required. (Refer to E39-L/E39-S/E39-R)

Appearance	Model	Quantity	Remarks
	E39-L53	1	Provided with the E3JM.
	E39-L51	1	Mounting Bracket designed for changing from the E3A-M, E3A2, E3A3, OA-5, or OA-5N to the E3JM.

Note: 1. When using a Through-beam Sensor, order one Connector for the Receiver and one for the Emitter.
2. Refer to *Mounting Brackets* on E39-L/E39-S/E39-R for details.