

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 | | Light-ON Dark-ON (switch selectable) | Relay | --- | E3JM-10M4-N Emitter: E3JM-10L-N Receiver: E3JM-10DM4-N |
| | | | | | | | E3JM-10M4T-N Emitter: E3JM-10L-N Receiver: E3JM-10DM4T-N |
| | | | | | DC SSR | --- | E3JM-10S4-N Emitter: E3JM-10L-N Receiver: E3JM-10DS4-N |
| | | | | | | | E3JM-10S4T-N Emitter: E3JM-10L-N Receiver: E3JM-10DS4T-N |
| Retro-reflective with MSR function | E39-R1 (provided) | | | | Relay | --- | E3JM-R4M4 |
| | | | | | | E3JM-R4M4T | |
| Diffuse-reflective | | | | | DC SSR | --- | E3JM-R4S4 |
| | | | | | | E3JM-R4S4T | |
| | | | | | Relay | --- | E3JM-DS70M4 |
| | | | | | | E3JM-DS70M4T | |
| | | | | | DC SSR | --- | E3JM-DS70S4 |
| | | | | | | | 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.