



# E3K-2018

## Heavy-Duty Sensor for Door Control

**NEW in 2018 - 10K Resistor Now Comes Built-In**

Complies with UL325-2018 requirements effective August 2018

### Meets UL 325 – Door, Drapery, Gate, Louver and Window Operators and Systems

- Heavy-duty DPDT relay rated 10 A at 240 VAC
- Long sensing distance: Retro – 10 M
- Easy-to-wire terminals
- Plug-in replaceable outputs
- Universal supply voltage: 24-240VAC, 24-240VDC



### Importance of UL325 Standard

The reliability and safety issues involved in automatic door opening and closing equipment gave rise to a separate testing protocol and standard, UL325. Products that meet UL325 standard requirements can be used safely in electric operators for doors, draperies, gates, louvers, windows and other opening and closing appliances, as well as complete doors, gates and assemblies that include electric operators. It also covers accessories such as sensors used for external entrapment protection.

### All Operating System Components Must Carry the UL325 Mark

In order to maintain the integrity of the operating system, all components (*including photoelectric sensors*) are required to display the UL325 marking. The Omron **E3K-2018** sensor earned cRUus certification per the requirements of the UL325 standard and the CSA-C22.2, No. 247-92 standard. This means that the **E3K-2018** has been evaluated and found to be acceptable for use as a component in a complete electric operator system in both the USA and Canada.

### Rigorous UL325 Testing Protocol

To meet the UL325 standard requirements, the Omron E3K-2018 sensor was subjected to and passed the following tests:

- |                                   |                      |
|-----------------------------------|----------------------|
| • Normal Operation Test           | • Impact Tests       |
| • Water Exposure Test             | • Sensitivity Test   |
| • Ultraviolet Light Exposure Test | • Ambient Light Test |
| • Gasket Test                     |                      |

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