# AS1 SERIES COMPACT CASE

## AC Current Sensing Switches

The AS1 Series Compact Case Current Sensing Switches are compact and inexpensive. The easy-to-use ring slips onto the conductor to give a solid-state contact for indication of current flow. Ideal for use in control panels, or wherever confirmation of current flow is desired. AS1 Series-CC current sensing switches are a cost-effective way to detect live conductors and see current flow to fans, heaters, pumps, lighting or other AC powered devices.




### Current Sensing Switch Applications

- Quick reporting of electric motor load status.
- Identify open heater circuit connection.
- Independent verification that the load is energized.
- Confirmation of operation for critical lighting or equipment.
- Low off state leakage is perfect for use as an input to a programmable logic controller.

### Current Sensing Switch Features

**Low Sensitivity Turn-on Point**

- Detect currents as low as 0.5 A with a single conductor pass; eliminates the need to wrap conductors multiple times to increase sensitivity.

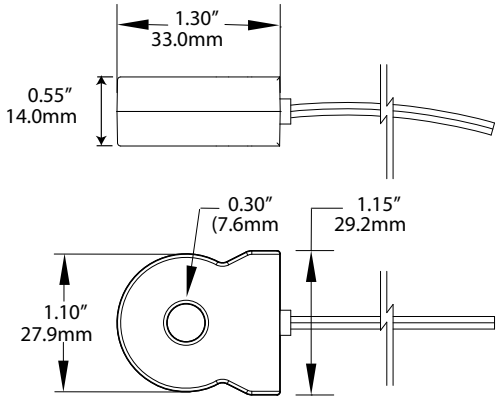
**Reliable Solid-state Output**

- No moving parts provides a nearly unlimited number of operations; powered from the monitored circuit.

**Choice of Outputs**

- Normally Open or Normally Closed connection. Connect the 24" long leads to a local controller or to a terminal block for remote operation.

### Current Sensing Switch Dimensions




For additional Application Examples, go to www.nktechnologies.com/applications

### Current Sensing Switch Specifications

| | |
|---|---|
| **Power Supply** | None, self-powered |
| **Setpoint Range** | 0.5 A (factory set) |
| **Output Description** | Isolated solid-state relay |
| **Output Rating** | • 0.2 A @ 120 VAC/DC (N.O.)<br>• 0.15 A @ 135 VAC/DC (N.C.) |
| **Off-state Leakage** | <10 µA |
| **Response Time** | 120 ms |
| **Time Delay** | None |
| **Hysteresis** | 5% |
| **Overload** | 6 sec. @ 500 A, 1 sec. @ 1000 A |
| **Isolation Voltage** | UL listed to 1270 VAC, tested to 5 KV |
| **Frequency Range** | 50–400 Hz |
| **Case** | UL94 V-0 Flammability Rated |
| **Environmental** | -4 to 122°F (-20 to 50°C)<br>0–95% RH, non-condensing |
| **Listings** | UL /cUL, CE |

### Current Sensing Switch Ordering Information

Sample Model Number: AS1-NOU-CC

Adjustable AC current sensing switch, normally open, solid-core, compact case.

| | (1) | | | | (2) | |
|---|---|---|---|---|---|---|
| **AS1 –** | | | | – | C | C |

(1) Output Rating

| | |
|---|---|
| NOU | Normally Open |
| NCU | Normally Closed |

(2) Case Style

| | |
|---|---|
| CC | Compact case |

**OEMs** **Test & Evaluation Units for OEMs**
Free program expedites evaluation process. See page 3 for details.



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000