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.

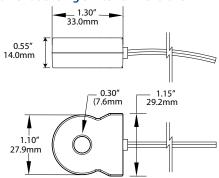
Choice of Outputs

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

UL/cUL and CE Approved

· Accepted worldwide.

Current Sensing Switch Dimensions



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

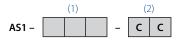
Current Sensing Switch Specifications



None, self-powered
0.5 A (factory set)
Isolated solid-state relay
• 0.2 A @ 120 VAC/DC (N.O.) • 0.15 A @ 135 VAC/DC (N.C.)
<10 µA
120 ms
None
5%
6 sec. @ 500 A, 1 sec. @ 1000 A
UL listed to 1270 VAC, tested to 5 KV
50–400 Hz
UL94 V-0 Flammability Rated
-4 to 122°F (-20 to 50°C) 0–95% RH, non-condensing
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) Output Rating

NOU	Normally Open
NCU	Normally Closed

(2) Case Style

CC Compact case







