## AS1 SERIES Current Sensing Switches

AS1 Series Current Sensing Switches combine a current transformer, signal conditioner and limit alarm into a single package for use in status monitoring or proof of operation applications. Offering an extended setpoint range of 1-150 A and universal, solid-state outputs, the self-powered AS1 can be tailored to provide accurate and dependable digital indication of overcurrent conditions across a broad range of applications. Available in solid-core case styles or in a split-core case to maximize ease of installation.

## Current Sensing Switch Applications

## Electronic Proof of Flow

- Current sensing switches eliminate the need for multiple pipe or duct penetrations and are more reliable than electromechanical pressure or flow switches.


## Conveyors

- Detects jams and overloads.
- Interlocks multiple conveyor sections.


## Lighting Circuits

- Proof positive that the lamp is energized.


## Electrical Heaters

- Faster response than temperature sensors.

Pump Jam \& Suction Loss Protection



## Current Sensing Switch Features

Universal Output

- N.O. or N.C. solid-state switch for control circuits up to 240 VAC/DC
- Compatible with most automation systems.


## Self-powered

- Cuts installation and operating costs.

Easily Adjustable Setpoint

- Speeds startup.


## Solid or Split-core Case

- Versions tailored for each installation.


## LED Indication

- Provides quick visual indication of contact status.


## Built-in Mounting Feet

- Simple, two-screw panel mounting or attach with DIN rail brackets (included).*


## UL/cUL and CE Approved

- Accepted worldwide.
*For information on the DIN rail accessories kit, see page 147.


## Current Sensing Switch Connections




Current Sensing Switch Specifications
(11) $C \in$


## Current Sensing Switch Ordering Information

Sample Model Number: AS1-NOU-SP
Adjustable AC current sensing switch, normally open, split-core case. (DIN rail adapters are included)

(1) Output Rating

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


| (2) Case Style |  |
| :--- | :---: |
| FF |  |
| FT |  |
| Solid-core, front terminal |  |
| SP |  |

## (3) Options

|  | Standard, with LED (blank) |
| :--- | :--- |
| GO | Non-adjustable; output changes with min. current present <br> (solid-core 0.75 A, split-core 1.25 A) |
| NL | No LED |
| Y39 | Output Bypass Switch (not UL listed) - available for FT case <br> only |

