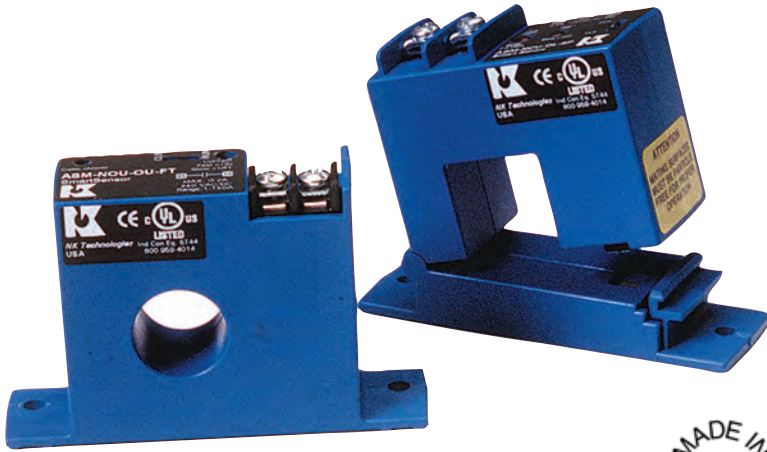




# NK Technologies



MADE IN USA

## ASM SERIES Current Operated Switches

### Specifications

<b>Power Supply</b>	None—Self-powered
<b>Output</b>	Magnetically Isolated Solid-State Switch
<b>Output Rating</b>	<ul style="list-style-type: none"> <li>● N.O. Version: 0.30A @ 135VAC or VDC</li> <li>● Not polarity sensitive</li> </ul>
<b>Off State Leakage</b>	<10 $\mu$ A
<b>Response Time</b>	200ms
<b>Setpoint Range</b>	<ul style="list-style-type: none"> <li>● Solid-core: 1.5–150A</li> <li>● Split-core: 2.8–150A</li> </ul>
<b>Setpoint</b>	<ul style="list-style-type: none"> <li>● Overload: +15% of Load (-OL)</li> <li>● Underload: -15% of Load (-UL)</li> <li>● Operating Window +/- 15% of Setpoint</li> </ul>
<b>Hysteresis</b>	5% of Setpoint
<b>Overload</b>	500A @ 6sec., 1,000A @ 1sec.
<b>Isolation Voltage</b>	UL Listed to 1,270VAC, tested to 5,000VAC
<b>Frequency Range</b>	6–100Hz
<b>Dimensions</b>	3.50" x 2.25" x 1.20", Aperture: 0.74"–0.85"
<b>Case</b>	UL94 V0 Flammability Rated
<b>Environmental</b>	-58 to 122°F (-20 to 50°C) 0–95% RH, non-condensing
<b>Listings</b>	UL 508 Industrial Control Equipment (USA & Canada), CE (pending)



**ASM Series** Load Monitoring Switches are designed for overload, underload or operating window applications. Upon sensing an average operating current, the ASM self-learns and establishes a limit-alarm trip point based on +/- 15% of the average expected current draw. The ASM is available in solid- or split-core enclosure styles.

### Features

#### Self-powered and Self-calibrating

- Speeds start-ups, cuts installation costs.

#### Status Monitoring, Overload, and Operating Window Options

- Choose the operating style that matches your application.

#### Universal Output

- AC or DC compatibility with any automation system.

#### UL, CUL and CE Approval

- Accepted worldwide.

### Applications

#### Conveyors (-OL option)

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

#### Electronic Proof of Flow (-UL option)

- More reliable than electro-mechanical pressure or flow switches. No need for pipe or duct penetrations.

#### Pump Protection (-OU option)

- Provides overload (jams) and underload (suction loss) indication.
- Interlocks multiple conveyor sections.

### Ordering Information

Sample Model Number: ASM-NOU-OL-SP  
AC current operated switch, normally open, self-calibrating overload operation in a split-core case.

ASM - <sup>(1)</sup> [ ] - <sup>(2)</sup> [ ] - <sup>(3)</sup> [ ]

(1) Output Rating

NOU	Normally Open (closed while current is within +/-15% window)
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(2) Operation

OL	Overload
UL	Underload (Status)
OU	Over/Underload (Operating Window)

(3) Case Style

FT	Solid-core, Top Term
SP	Split-core