

NK Technologies

Current Transducers

ASM SERIES

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.

Specifications

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

AYA Instruments
5001 Baum Blvd. Pittsburgh, PA 15213
P: 412-622-5500 – F: 412-681-3773
www.ayainstruments.com

