

ASX Series



The 'ASX' Series from NK Technologies is a high-performance current-operated switch with field-adjustable time delay to help minimize nuisance trips during start-up and operation. Designed for motor status applications where setpoint accuracy and repeatability are critical, the ASX offers a linear setpoint characteristic and constant hysteresis. Standard features include self-powering, jumper-selectable ranges and a choice of outputs and cases.

MADE IN
USA

Current Operated Switch with Time Delay

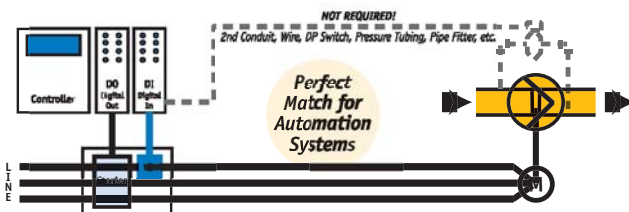
Applications

Motor Protection

- Serves as an electronic proof-of-operation; detects current draw changes in motors when they encounter problems such as pumps running dry or pending bearing failure.
- Non-intrusive, less expensive to install than differential pressure flow sensors or thermal switches. Much quicker response time than Class 10 overload relays.

High Inrush or Temporary Overload Current

Adjustable start-up/delay timer allows 0-15 second delay to eliminate nuisance trips from high inrush or short overload conditions.



Features

Adjustable Start-up/Delay Timer

Field-adjustable from 0-15 seconds to eliminate nuisance alarms due to start-up inrush or temporary overcurrent conditions.

Choice of N.O./N.C. AC or Universal Outputs

Contact ratings of 1.0A@240VAC or universal outputs of 0.15A@240VAC/VDC (N.O. models) and 0.2A@135VAC/VDC (N.C. models) for use with most standard motor control systems.

Improved Ease of Installation and Use

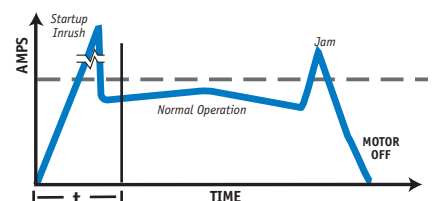
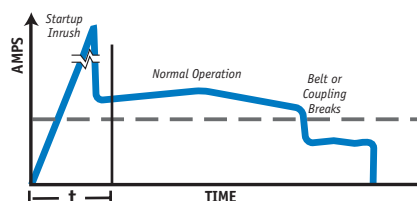
- 1.0A rating eliminates need for time delay relay
- Self-powered, split-core models simplify installation
- Status LED provides visual indication of setpoint trip and contact action.

Industrial Grade Performance

Constant hysteresis and linear response characteristic enhance accuracy to setpoint

Agency Approved

UL, CE approvals pending



Current Operated Switches

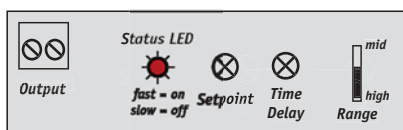
ASX Series

***High performance current sensing...
for industrial and factory automation applications.***

Specifications

Power Supply	None -- Self-powered
Output	Isolated Solid-State Switch
Output Rating	<ul style="list-style-type: none">■ NOAC/NCAC: 1A @ 240VAC■ NOU: N.O. 0.15A @ 240VAC or VDC■ NCU: N.C. 0.20A @ 135VAC or VDC
Response Time	Adjustable 0.2 to 15 seconds
Off State Leakage	< 10 micro Amps
Setpoint Ranges	Jumper Selectable: 1.5-12A, 12-55A, 50-200A
Hysteresis	5% (Constant)
Overload (1 sec. duration)	<ul style="list-style-type: none">■ 1.5-12A Range: 600A■ 12-55A Range: 800A■ 50-200A Range: 1,200A
Isolation Voltage	5,000 VAC (tested)
Frequency Range	50-100 Hz
Case	UL 94V-0 Flammability Rated
Environmental	5 to 158°F (–15 to 70°C), 0-95% RH, non-condensing
Listings	UL Listed 508, CE (pending)

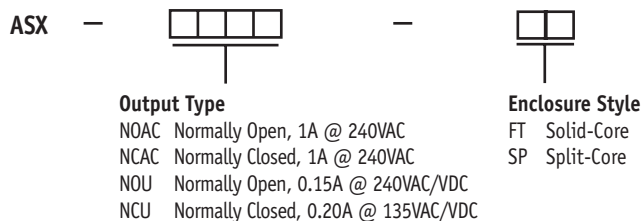
Connections



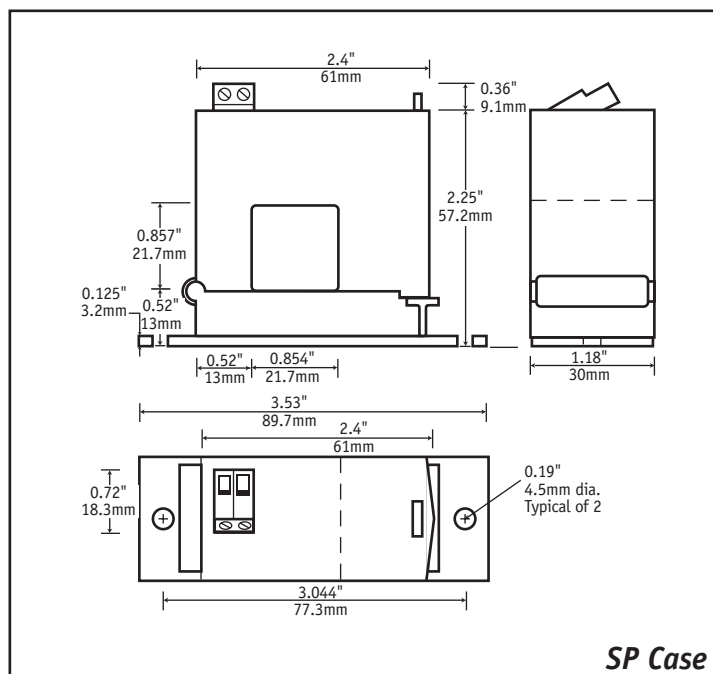
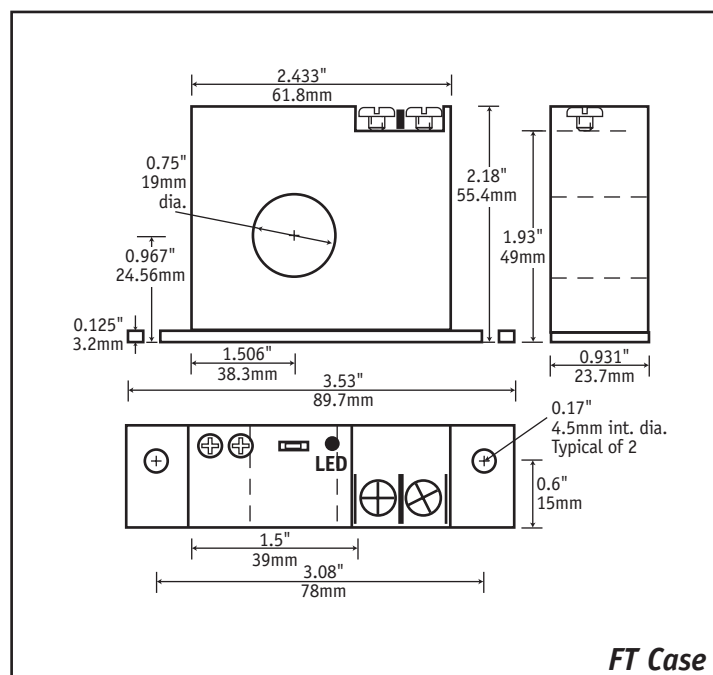
Ordering Information

Example: ASX-NOAC-SP

Current Switch w/Adjustable Time Delay, N.O. 1.0A@240VAC output,
Jumper Selectable Input Ranges, Split-core Enclosure.



Dimensions



Current Operated Switches

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