



# NK Technologies



MADE IN  
USA

## ASX SERIES Current Operated Switches

### Applications

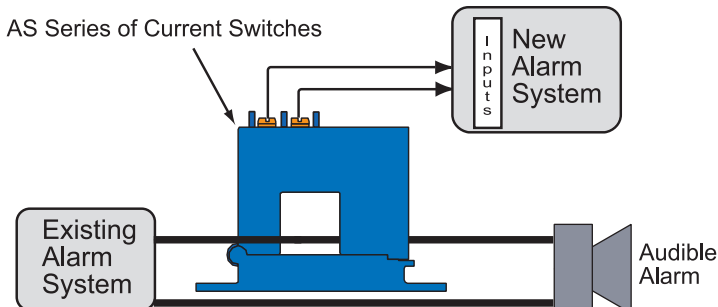
#### Motor Protection

- 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.

### Isolated Alarm System Interfacing



**ASX Series** Current Operated Switches are high performance current-operated switches 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 Series offers a linear setpoint characteristic and constant hysteresis. Standard features include self-powering, jumper-selectable ranges and a choice of outputs and cases.

### 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 AC 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 setpoint accuracy.

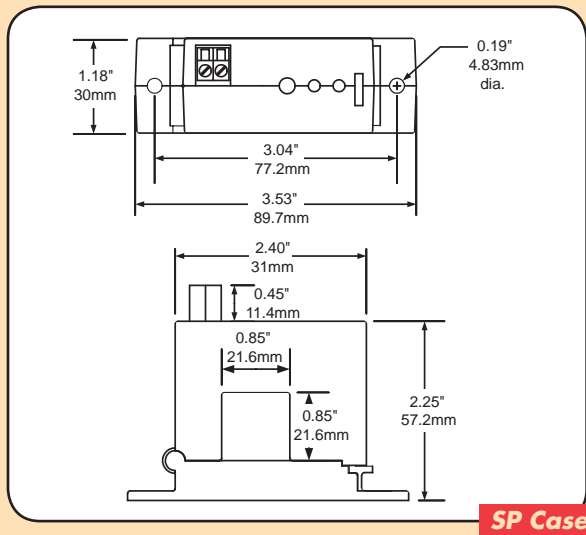
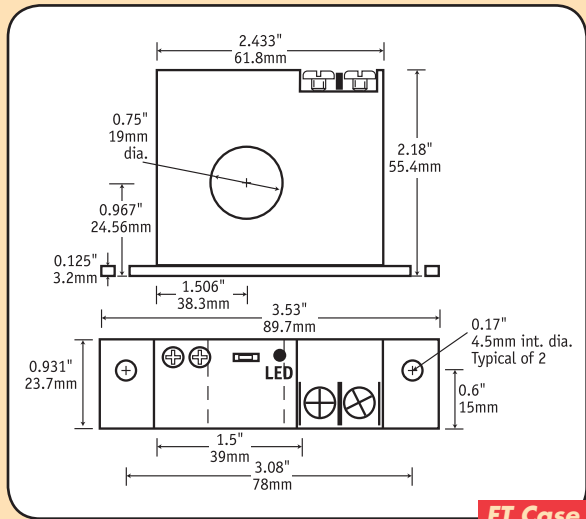
#### Agency Approved

- UL listed, CE pending.

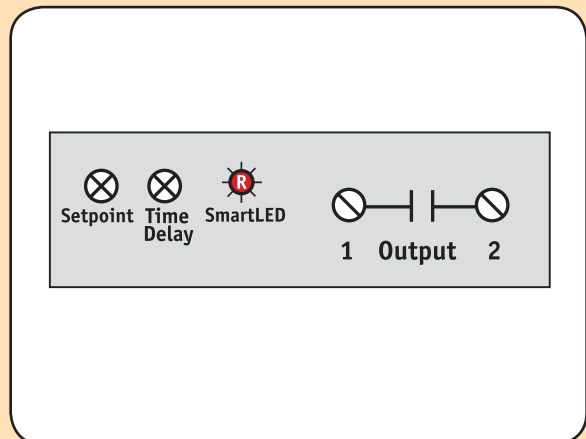


# NK Technologies

## Dimensions



## Connections



## Specifications

<b>Power Supply</b>	None—Self powered
<b>Output</b>	Isolated Solid-State Switch
<b>Output Rating</b>	<ul style="list-style-type: none"> <li>● NOAC/NCAC: 1A @ 240VAC</li> <li>● NOU: 0.15A @ 240VAC or VDC</li> <li>● NCU: 0.2A @ 135VAC or VDC</li> </ul>
<b>Off State Leakage</b>	<10 micro Amps
<b>Response Time</b>	Adjustable 0.2 to 15 Seconds
<b>Setpoint Range</b>	Jumper Selectable: 1.5–12A, 12–55A, 50–200A
<b>Hysteresis</b>	5% (constant)
<b>Overload</b>	<ul style="list-style-type: none"> <li>● 1.5–12A Range: 600A max.</li> <li>● 12–55A Range: 800A max.</li> <li>● 50–200A Range: 1,200A max.</li> </ul>
<b>Isolation Voltage</b>	5,000VAC (tested)
<b>Frequency Range</b>	50–100Hz
<b>Case</b>	UL94 V0 Flammability Rated
<b>Environmental</b>	5 to 122°F (-15 to 50°C) 0–95%RH, non-condensing
<b>Listings</b>	UL 508 Industrial Control Equipment (USA & Canada)*, CE pending.

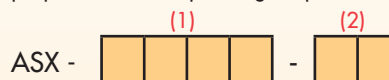
\*Consult factory for UL Listed models.



## Ordering Information

Sample Model Number: ASX-NOAC-SP

Current Switch w/adjustable time delay, N.O. 1.0A @ 240VAC output, jumper selectable input ranges, split-core enclosure.



### (1) Output Type

NOAC	Normally Open, 1A @ 240VAC
NCAC	Normally Closed, 1A @ 240VAC
NOU	Normally Open, 0.15A @ 240VAC/VDC
NCU	Normally Closed, 0.2A @ 135VAC/VDC

### (2) Case Style

FT	Solid-core
SP	Split-core