



ASX Series



Current Operated Switches

The 'ASX' Series products from NK Technologies are a family of high-performance current operated switches with linear setpoint characteristics and constant hysteresis. Designed for motor status applications where setpoint accuracy and repeatability are critical, the ASX includes a field-adjustable time delay, allowing users to tailor switch response and minimize nuisance trips. All models feature self-powering, jumper-selectable ranges and universal solid-state outputs.



Applications

Pump Motor Protection

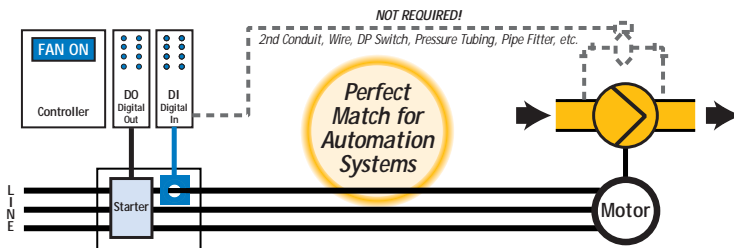
- Electronic proof-of-flow. Senses motor current changes when pump runs dry, helping protect against bearing seizure or burn out.
- Non-intrusive, less expensive and easier to install than differential pressure flow switches or thermal switches.

High Inrush or Short Overload Currents

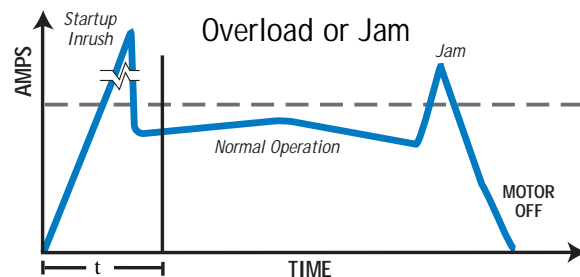
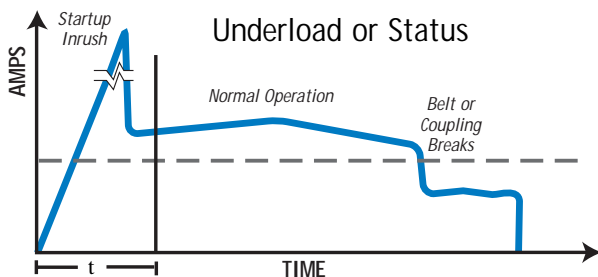
Adjustable start-up/delay timer allows 0-15 second delay to eliminate nuisance trips from high inrush or short overload conditions.

Features

- **Adjustable Start-up/Delay Timer**
Field-adjustable 0-15 seconds to avoid nuisance alarms.
- **Universal Outputs**
Solid-state N.O. or N.C. contacts work on AC or DC up to 240V.
- **Constant Hysteresis, Linear Setpoint Adjustment**
Improves ease of use, responsiveness and accuracy to setpoint.
- **Ease of Installation and Agency Approved**
Self-powered, split-core cases available, and easily adjustable setpoint provide for quick and cost-effective installation. UL 508 (Industrial Control Equipment) pending.



Perfect Match for Automation Systems



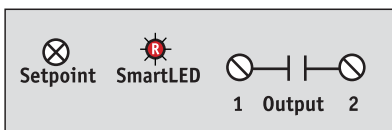
Know your power...
because with knowledge comes control.

Specifications

Power Supply	None — Self-powered		
Output	Magnetically Isolated Solid-State Switch		
Output Rating	<ul style="list-style-type: none"> ■ N.O. Version: 0.15A @ 240VAC or VDC ■ N.C. Version: 0.2A @ 135VAC or VDC 		
Response Time	120 ms		
Off State Leakage	< 10 μ A		
Setpoint Range	2-12, 12-55 & 50-200A		
Hysteresis	5% (Constant)		
Overload	RANGE	6 SEC	1 SEC
	■ 2-12A	400A	600A
	■ 12-55A	500A	800A
	■ 50-200A	800A	1,200A
Isolation Voltage	5,000VAC		
Frequency Range	6-100Hz		
Sensing Aperture	<ul style="list-style-type: none"> ■ -FF Case: 0.55" (14mm) dia. ■ -SP Case: 0.85" (21.6mm) sq. 		
Case	UL 94V-0 Flammability Rated		
Environmental	-58 to 149°F (-50 to 65°C), 0-95% RH, non-condensing		
Listings	UL 508 Industrial Control Equipment (USA & Canada), CE (Pending)		



Connections



Notes:

- Terminals are #6 screws.
- Normally open contacts shown (NOU).
- Normally closed contacts similar (NCU).

Ordering Information

