



NK Technologies

AS1 Series



Current Operated Switches

'AS1' Current Switches from NK Technologies combine a current transformer, signal conditioner and limit alarm into a single package. The AS1 series has an extended current input range, universal solid-state outputs and a wide frequency response. Available in a split core case or two styles of solid core cases.

Applications

Electronic Proof Of Flow

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

Conveyors

- Detects jams and overloads
- Interlocks multiple conveyor sections

Lighting Circuits

Easier to install and more accurate than photocells.

Electric Heaters

Faster response than temperature sensors.

Features

Universal Output

- Solid state switch N.C. or N.O. works on AC or DC to 240VAC.
- Compatible with any automation system.
- Reduces inventory, installation and engineering costs.

Self-powered

Cuts installation and operating costs.

Easily Adjustable Setpoint

Speeds startup

Solid or Split Core Case

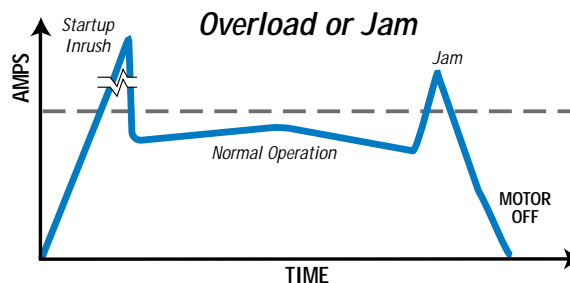
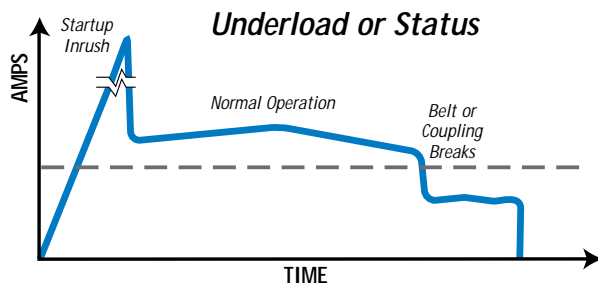
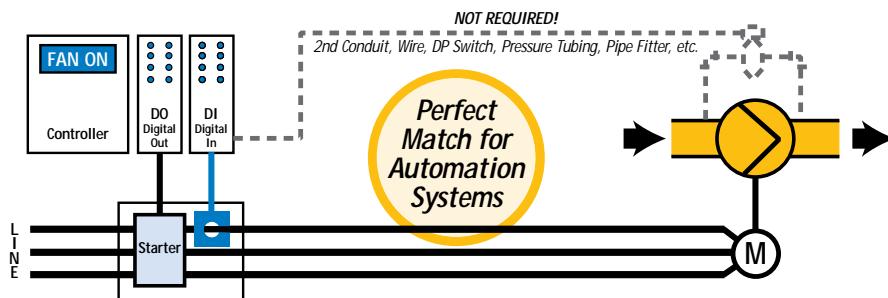
Choose the right version for each installation.

Built-in Mounting Bracket

Provides the solid installation inspectors want.

UL, CUL and CE Approval

Accepted worldwide.



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Know your power...

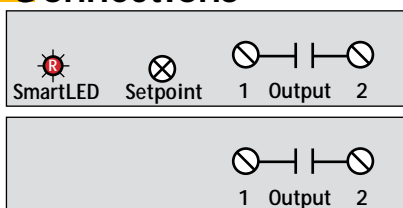
because with knowledge comes control.

Specifications

Power Supply	None — Self-powered			
Output	Magnetically Isolated Solid-State Switch			
Output Rating	<div><div></div> N.O. Version: 0.2A @ 240VAC or VDC</div> <div><div></div> N.C. Version: 0.2A @ 130VAC or VDC</div> <div><div></div> Not polarity sensitive</div>			
Off State Leakage	None			
Response Time	0.120 Second			
Setpoint Range	<div><div></div> Fixed Core: 1–150A</div> <div><div></div> Split Core: 1.5–150A</div>			
Hysteresis	5% of Setpoint			
Overload	MODEL	CONTINUOUS	6 SEC	1 SEC
	<div><div></div> –GO</div>	250A	500A	1,000A (NOU)
	<div><div></div> –GO</div>	150A	400A	1,000A (NCU)
	<div><div></div> All Other</div>	150A	400A	1,000A
Isolation Voltage	UL Listed to 1,270VAC, tested to 5,000VAC			
Frequency Range	6–100Hz			
Sensing Aperture	<div><div></div> –FF Case : 0.55" (14mm) dia.</div> <div><div></div> –FT Case : 0.75" (19mm) dia.</div> <div><div></div> –SP Case : 0.85" (21.5mm) sq.</div>			
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



*Typical of
Models with LED*

*Typical of
Go/No-Go Models*

Notes:

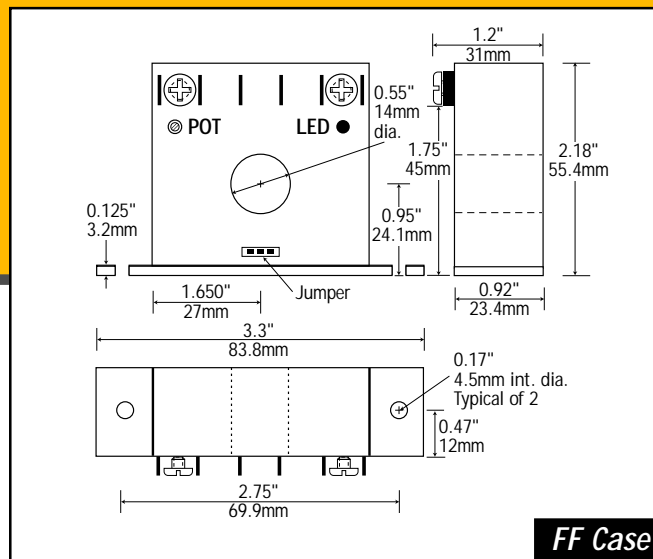
- Terminals are #6 screws.
- Normally open contacts shown (NOU).
- Normally closed contacts similar (NCU).

Ordering Information

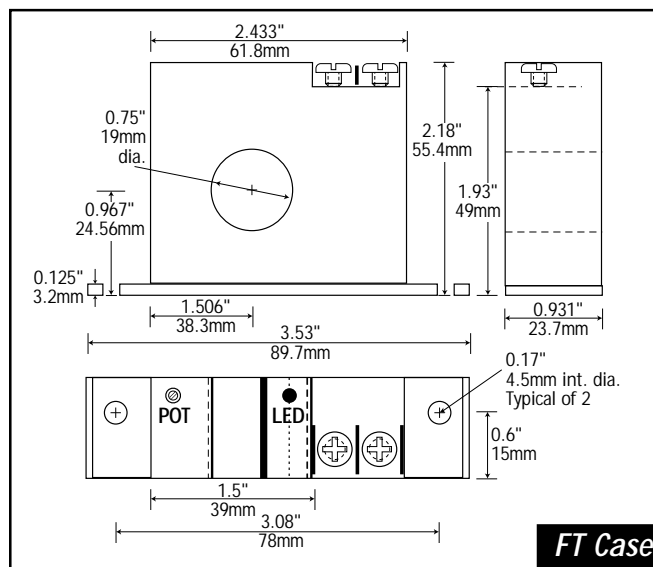
Example: AS1-NOU-SP

Adjustable AC current switch, split core, with indicating LED.

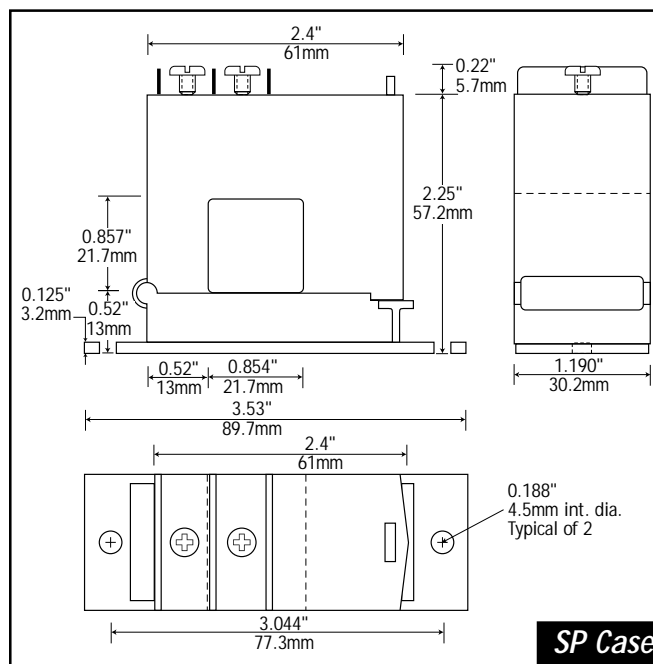
AS1		—		—	
	Output Rating		Case Style		Options
	NOU Normally Open		FF Fixed Core, Front Term.		GO Go/No-Go Version (Fixed Setpoint)
	NCU Normally Closed		FT Fixed Core, Top Term.		NL No LED
			SP Split Core		— With LED (Blank)



FF Case



FT Case



SP Case

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