

NK Technologies Easy Setup AC Current Switches

- Trip point can be set before installation or with no load present
- Trip point indicated on potentiometer label
- Self-powered
- 2 second inrush delay
- 5 year warranty



ORDERING INFORMATION

P/N	Full Scale Range	Output	Case
ASL1-NOU-FF	1-10 A *	N.O.	Solid-core
ASL1-NCU-FF	1-10 A *	N.C.	Solid-core
ASL2-NOU-FF	10-50 A **	N.O.	Solid-core
ASL2-NCU-FF	10-50 A **	N.C.	Solid-core
ASL3-NOU-FF	50-100 A	N.O.	Solid-core
ASL3-NCU-FF	50-100 A	N.C.	Solid-core
ASL4-NOU-FF	100-150 A	N.O.	Solid-core
ASL4-NCU-FF	100-150 A	N.C.	Solid-core

For split-core, replace FF with SP. Split-core range: * 2-20 A ** 20-50 A

SPECIFICATIONS

Output Type:	Solid-state universal contact (AC/DC)
Accuracy:	±1%
Repeatability:	1.0% FS
Response Time:	100 ms (to 90% step change)
Frequency Range:	AC 10-100 Hz
Power Supply:	Self-powered from the monitored circuit
Relay Capacity:	150 mA up to 240 VAC/DC N.O. 200 mA up to 135 VAC/DC N.C.
Linearity:	1.00% FS
Current Range:	1-150 A
Sensing Aperture:	FF Case: 0.55" (19 mm) diameter SP Case: 0.85" (21.6 mm) diameter
Case:	UL94 V0 Flammability Rated
Environment:	-4 to 122°F (-20 to 50°C) 0-95% RH, non-condensing
Listings:	UL/cUL, CE
FF Case Dimensions:	3.3"W x 2.2"H x 0.92"D (83.8x55.4x23.2mm); 2.75" (69.9mm) mounting centers
SP Case Dimensions:	3.53"W x 2.7"H x 1.19"D (90x69x30.2mm); 3.04" (77.2mm) mounting centers

- Digital display of trip point
- Top access trip adjustment
- Long life solid-state output
- AC or DC powered
- Solid core
- 5 year warranty



ORDERING INFORMATION

P/N	Range	Output
ASD1-NOAC-24U-FL	1-50 A	N.O.
ASD1-NCAC-24U-FL	1-50 A	N.C.
ASD2-NOAC-24U-FL	4-200 A	N.O.
ASD2-NCAC-24U-FL	4-200 A	N.C.

SPECIFICATIONS

Power Supply:	24 VAC/DC (< 2 VA consumption)
Digital Output:	Magnetically isolated solid-state switch
Output Rating:	1.0 A up to 240 VAC (AC only)
Off-State Leakage:	<10 μA normally open, <2.5 mA normally closed
Contact Response Time:	40-120 ms
Setpoint Range:	ASD1: 1-50 A (adjustable) ASD2: 4-200 A (adjustable)
Hysteresis:	5% of setpoint
Isolation Voltage:	Tested to 5000 VAC
Frequency Range:	6-100 Hz
Sensing Aperture:	0.74" (19 mm) diameter
Case:	UL94 V0 Flammability Rated
Environmental:	-4 to 122°F (-20 to 50°C), <95% RH, non-condensing
Listings:	Designed to meet UL 508 Industrial Control Equipment
Dimensions:	3.9"W x 2.9"H x 1.5"D (99x74x38mm); 3.38" (85.8mm) mounting centers

NK Technologies DC Current Switches

- DC & AC sensing
- Relay or solid-state output
- AC or DC powered
- 3 kV isolation
- Solid core
- 5 year warranty



ORDERING INFORMATION

P/N	Output Type	Power
DS3-SDT-24U	SPDT relay (Form C)	24 V AC/DC
DS3-NOU-24U	Solid-state N.O.	24 V AC/DC
DS3-SDT-12U	SPDT relay (Form C)	12 V AC/DC
DS3-NOU-12U	Solid-state N.O.	12 V AC/DC

SPECIFICATIONS

Output:	Isolated dry contact
Output Rating:	Solid-state: 0.15 A @ 240 VAC or VDC (N.O. Only) Relay: 5.0 A @ 240 VAC, 5.0 A @ 30 VDC (SPDT)
Off-state Leakage:	<10 μA
Response Time:	100 ms (10% above setpt), 20 ms (100% above setpt)
Setpoint Range:	DC: 2-20, 10-50 and 20-100 A, jumper selectable; Derate by $\sqrt{2}$ for AC
Hysteresis:	5% of setpoint
Isolation Voltage:	3 kV
Frequency Range:	DC to 400 Hz
Sensing Aperture:	0.75" (19.1 mm) dia.
Case:	UL94 V0 Flammability Rated
Environment:	-4 to 122°F (-20 to 50°C) 0-95% RH, non-condensing
Listings:	UL 508 Industrial Control Equipment (US & Canada), CE
Dimensions:	3.9"W x 2.9"H x 1.5"D (99x74x38mm); 3.38" (85.8mm) mounting centers