

## NK Technologies Split-Core AC Current Transducers

- TRMS sensing for distorted waveforms
- 2A to 200A Full Scale
- DCV Output

**ATPR-SP**


### ORDERING INFORMATION

P/N	Full Scale Ranges	Output
ATPR0-005-24D-SP	2, 5 A	0-5V DC
ATPR1-005-24D-SP	10, 20, 50 A	0-5V DC
ATPR2-005-24D-SP	100, 150, 200 A	0-5V DC
ATPR0-010-24D-SP	2, 5 A	0-10V DC
ATPR1-010-24D-SP	10, 20, 50 A	0-10V DC
ATPR2-010-24D-SP	100, 150, 200 A	0-10V DC

### SPECIFICATIONS

Power Supply:	24 VDC nominal (20-28 VDC)
Output:	0-5 or 0-10 VDC, proportional to RMS Current, 10kohm minimum load impedance
Response Time:	600 ms
Range:	Jumper selected
Output Ripple:	1% Maximum
Isolation Voltage:	UL listed to 1270 VAC, tested to 5000 VAC
Frequency Range:	10-400 Hz
Sensing Aperture:	0.85" (21.6 mm) sq.
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:	3.53"W x 2.25"H x 1.18"D (90x57x30mm); 3.04" (77.2mm) mounting centers

- Average or TRMS sensing
- 800A to 1600A Full Scale
- 4-20mA Output
- Loop Powered

**ATR-LS**


### ORDERING INFORMATION

P/N	Response	Range
AT-8-420-24L-LS	Average	0-800 A
AT-10-420-24L-LS	Average	0-1000 A
AT-12-420-24L-LS	Average	0-1200 A
AT-16-420-24L-LS	Average	0-1600 A
ATR-8-420-24L-LS	TRMS	0-800 A
ATR-10-420-24L-LS	TRMS	0-1000 A
ATR-12-420-24L-LS	TRMS	0-1200 A
ATR-16-420-24L-LS	TRMS	0-1600 A

### SPECIFICATIONS

Power Supply:	24 VDC nominal (12-32 VDC)
Output:	4-20 mA Loop powered
Output Limit:	23 mA
Accuracy:	1% FS
Response Time:	600 ms (90% step change)
Range:	Fixed
Isolation Voltage:	Designed to meet UL 508 2200 VAC
Frequency Range:	AT: 50/60 Hz (average responding) ATR: 20-400 Hz (True RMS responding)
Sensing Aperture:	2.30" (58.42 mm) X 3.42" (86.87 mm)
Case:	UL94 V0 flammability rated, DIN rail mounting
Environmental:	-4 to 122°F (-20 to 50°C), <95% RH, non-condensing
Listings:	Designed to meet UL 508 Industrial Control Equipment
Dimensions:	4.82"W x 6.97"H x 3.75"D (123x177x96mm); DIN rail mounting

## NK Technologies DC Current Transducers

- 3-wire Configuration
- 24V DC Powered
- DCV Output
- Solid Core

**DT**


### ORDERING INFORMATION

P/N	Range	Output
DTB-005-24D-U-FF	0 - 50 A DC	0 - 5 V DC
DTB-010-24D-U-FF	0 - 50 A DC	0 - 10 V DC
DTC-005-24D-U-FF	0 - 100 A DC	0 - 5 V DC
DTC-010-24D-U-FF	0 - 100 A DC	0 - 10 V DC

### SPECIFICATIONS

Power Supply:	24 VDC, <2 VA
Configuration:	3-wire (output low tied to power supply low)
Response Time:	500 ms
Accuracy:	±1% FS
Isolation Voltage:	Designed to UL 508 1270 VAC, tested to 5000 VAC
Sensing Aperture:	0.55" (14 mm) dia.
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:	3.30"W x 2.18"H x 0.92"D (84x56x24mm); 2.75" (69.9mm) mounting centers