

# ProteCT™ SERIES

## mV Current Transformers

ProteCT™ Series Current Transformers are intended for use with APT and APN Series power transducers. ProtectCT™ low voltage output current transformers provide easy sensing of current on three-phase applications with the added safety of a 333 mV output secondary. Available in split-core case as standard.

### Current Transformer Applications

- Tailored for use with AP Series AutoPhase KW/KWH transducers.
- Self-powered design works well in data logger applications.
- Excellent response time for power monitoring applications.

### Current Transformer Features

#### 0.333 VAC Output Secondary

- Unique low voltage output allows safe opening of transformer secondary, protecting installers from shock hazards found on traditional 5 A CTs.

#### Eliminates Need for “Shorting Blocks”

#### Standard Split-core Case Design

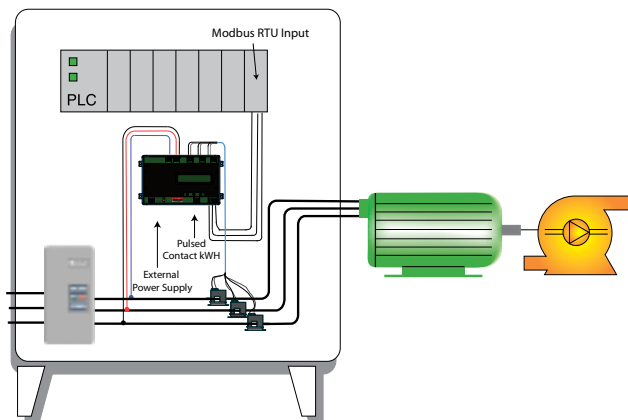
- Snap-close case speeds installation and eases retrofits for existing jobs.
- Eliminates need to power down or disconnect system to install CT, maximizing up time.

#### High-Impact, UL94 V-0 Rated Polymer Housing

- No exposed metal parts on assembled ProteCT™ devices.

#### Choose From Three ID's: 0.85", 1.25", 2.0"

Monitor Watts Used by a Pump



- For additional Application Examples, go to [www.nktechnologies.com/applications](http://www.nktechnologies.com/applications)

OEMs

#### Test & Evaluation Units for OEMs

Free program expedites evaluation process. See page 1 for details.



### Current Transformer Dimensions

in (mm)	NKP-075-xxx	CTP-125-xxx-SP	CTP-200-xxx-SP
<b>Width</b>	2.25 (57.2)	3.25 (82.55)	4.75 (120.65)
<b>Height</b>	2.40 (61.0)	3.35 (85.09)	5.00 (122.5)
<b>Depth</b>	1.18 (30.0)	1.00 (25.4)	1.20 (30.48)
<b>Window</b>	0.85 (22.0)	1.25 (31.75)	2.00 (50.80)

### Current Transformer Specifications

<b>Power Required</b>	None, Self-powered
<b>Accuracy</b>	±1% NKP, ±2% CTP models
<b>Output</b>	0–0.333 VAC
<b>Phase Angle</b>	<1 degree, 2 degrees @ 50% range
<b>Response Time</b>	<1 ms
<b>Isolation Voltage</b>	600 VAC
<b>Max. Primary Voltage</b>	5000 VAC (insulated conductor)
<b>Max. Inrush Current</b>	300% FS (6 sec. duration)
<b>Environmental</b>	-4 to 122°F (-20 to 50°C) 0–95% RH, non-condensing

### Current Transformer Ordering Information

Model	Input Range	1.25"(31.75 mm) Window	
<b>0.85"(22 mm) Window</b>		CTP-125-101-SP	0–100 A
NKP-075-005SP	0–5 A	CTP-125-151-SP	0–150 A
NKP-075-015SP	0–15 A	CTP-125-201-SP	0–200 A
NKP-075-030SP	0–30 A	CTP-125-251-SP	0–250 A
NKP-075-050SP	0–50 A	CTP-125-301-SP	0–300 A
NKP-075-070SP	0–70 A	CTP-125-401-SP	0–400 A
NKP-075-101SP	0–100 A	CTP-125-601-SP	0–600 A
NKP-075-151SP	0–150 A	<b>2.0"(50.8 mm) Window</b>	
NKP-075-201SP	0–200 A	CTP-200-601-SP	0–600 A
		CTP-200-801-SP	0–800 A
		CTP-200-102-SP	0–1000 A
		CTP-200-122-SP	0–1200 A
		CTP-200-152-SP	0–1500 A

