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

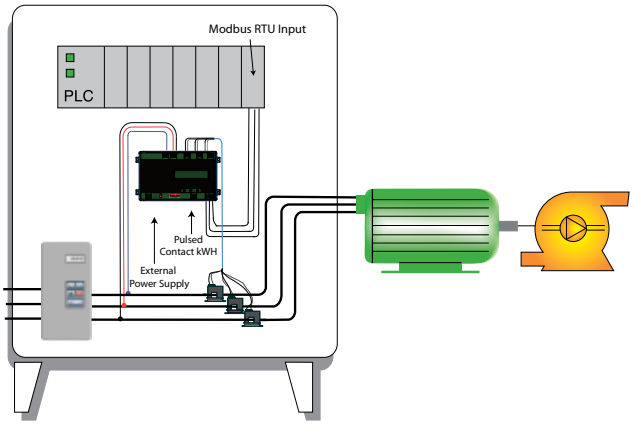
- Snap-close case speeds installation and eases retrofits for existing jobs.
- Eliminates need to power down or disconnect system to install CT, maximizing up time.

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

OEMs Test & Evaluation Units for OEMs
Free program expedites evaluation process. See page 3 for details.

Current Transformer Dimensions

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

Current Transformer Specifications

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

Current Transformer Ordering Information

Model	Input Range
0.85"(22 mm) Window	
NKP-075-005SP	0–5 A
NKP-075-015SP	0–15 A
NKP-075-030SP	0–30 A
NKP-075-050SP	0–50 A
NKP-075-070SP	0–70 A
NKP-075-101SP	0–100 A
NKP-075-15 1SP	0–150 A
NKP-075-201SP	0–200 A

1.25"(31.75 mm) Window	
CTP-125-101-SP	0–100 A
CTP-125-151-SP	0–150 A
CTP-125-201-SP	0–200 A
CTP-125-251-SP	0–250 A
CTP-125-301-SP	0–300 A
CTP-125-401-SP	0–400 A
CTP-125-601-SP	0–600 A
2.0"(50.8 mm) Window	
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

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