

Instrument Transformer AC Current Transducers

- Large Window Area
- 0.5% FS accuracy
- 4-20mA DC Output
- 120VAC or 24VDC Power

The PCL is a 4 terminal device with separate connections for power and load. The PCM is a two terminal device. 24V is applied between the + terminal and ground. The output load may be inserted in either the - line for negative ground systems or the + line for positive ground systems.



SPECIFICATIONS

Output Signal:	Average responding, RMS calibrated	
Linear Range:	0-120% of rated current (typical)	
Frequency:	50/60Hz	
Operating Temperature:	-30 to 60°C	
Insulation Level:	600V, 10kV BIL full wave	
Maximum Output:	30mA DC	
Output Ripple:	1% max peak	
Supply Voltage:	PCL 120VAC ±10%	
	PCM 24VDC ±10%	
Output Load:	PCL <1000 ohms	
	PCM <600 ohms	
Size (LxWxH, inches)		Window dia
PCL-5 thru 75	2.7 x 2.4 x 4.5	0.94"
PCL-100 & up	4.5 x 4.7 x 4.9	2.13"
PCM-5 thru 20	2.7 x 2.4 x 2.75	0.93"
PCM-30 & up	4.5 x 4.7 x 4.9	1.25"

ORDERING INFORMATION

Model	Rated Current	Connections
PCL-5	5A	#8 screws
PCL-20	10A, 15A, 20A*	
PCL-75	25A, 50A, 75A*	
PCL-100	100A	#8 studs
PCL-150	150A	
PCL-200	200A	
PCL-300	300A	
PCL-400	400A	
PCL-600	600A	
PCM-5	5A	#10 screws
PCM-10	10A	
PCM-20	20A	
PCM-30	30A	
PCM-50	50A	
PCM-75	75A	
PCM-100	100A	
PCM-150	150A	
PCM-200	200A	
PCM-300	300A	#8 studs

*Switch selectable

NK Technologies Ground Fault Sensor

NEW



- Fixed or selectable setpoint
- Solid-state or relay output
- Green LED Power-On indication

Detects ground fault (earth leakage) conditions by monitoring all current-carrying conductors in a grounded single or three phase system.

SPECIFICATIONS

Setpoint:	AG1, AG2: factory calibrated AG3: field jumper selected
Solid-state Output:	Isolated dry contact AC Switch: 1A @ 240VAC DC Switch: 0.15A @ 30VAC Leakage <10 micro Amps (N.O.), <2.5mA (N.C.)
Mechanical Output:	Single pole relay Auto Reset: SPDT, 1A @ 125VAC, 2A @ 30VDC Latching: SPST, 1A @ 125VAC, 2A @ 30VDC
Response Time:	200ms @ 5% above trip point 60ms @ 50% above trip point 15ms @ 500% above trip point
Isolation:	5kVAC (tested)
Frequency:	50-400 Hz (monitored circuit)
Power Supply:	66-132VAC 19.2-28.8VAC/DC
Loading:	2VA max.
Case:	UL94 V0 Flammability Rated
Environment:	-4 to 122°F (-20 to 50°C), < 95% RH, non-condensing
Size:	3.9" W x 3.0" H x 1.5" D (99x76x38mm)
Listings:	UL 1053, Class 1 Recognized, CE

ORDERING INFORMATION

To Order Insert Code for Each Letter to Select Catalog Number

AG A - B - C - D - E Example: AG1-NOAC-120-FS-005

A Setpoint

1	5-100mA factory set
2*	80-950mA factory set
3	5/10/30mA jumper set (TR3 only)

B Output Type

NOAC	Normally Open solid state, 1A @ 240VAC
NCAC	Normally Closed solid state, 1A @ 240VAC
NODC	Normally Open solid state, 0.15A @ 30VDC
NCDC	Normally Closed solid state, 0.15A @ 30VDC
NCR1	Normally Closed SPST Relay (requires LA option)
NOR1	Normally Open SPST Relay (requires LA option)
SDT1	SPDT Relay (Form C) with autoreset (requires DEN or ENE option)

C Power Supply

120	120VAC
24U*	24VAC/VDC

D Options

FS	Normally Energized (solid state output only)
NF	Normally De-energized (solid state output only)
ENE	Normally Energized, auto-reset (SDT1 output only)
DEN	Normally De-energized, autoreset (SDT1 output only)
LA	Latching (NOR1 and NCR1)

E Setpoint

TR3	Tri-set (5/10/30mA)
nnn	Factory set trip point in mA

*Not UL recognized.