

Model 4NO4

Outdoor Split Current Transformer

- **Application: To measure large ground wire currents**
- **Weather proof NEMA Type 6P / IP65**
- **Custom sizes for unique applications**
- **Hinged, Split-Top**
- **Potted for outdoor use**
- **Standard 35 ft. cable**
- **UV Protected**
- **Non-corrosive nickel core**



The 4NO4 is a split outdoor rated current transformer that uses a nickel core. The standard model has a hinged, snap or screw top for quick and easy installation. Designed for use on low potential ground wires that could carry large currents. A 35 foot, twisted pair, 18AWG cable with an overall sheath is standard. Lengths to 100 feet available. An optional shielded cable is also available. The standard output signal is 5 VAC, but other outputs provided include 100mA, 2.5VAC and 10VAC. Mounts can be provided for unique installations.

Weather proof to NEMA Type 6P and IP65. Successfully tested against corrosion submerged in sea water. Hundreds of units installed in all weather conditions. Wet tested in accordance with section 4.4 of IEC 61010-1.

Specifications

Environmental	NEMA Type 6P / IP65
Rated primary current	up to 600A
Rated frequency	50/60Hz
Standard outputs	100mA or 2.5, 5.0 or 10Vac
Accuracy at Full Scale	Standard: Class 1.0 per IEC 60044-1 Table 11
Phase shift across CT	Less than 1 degree
Output impedance (Zout).....	Not to exceed 250 ohms
Acceptable load of output	At least 1000 times Zout
Rated insulation level	600VAC, class 105, use only at ground potential
Signal cable, 35 foot long standard.....	Twisted pair B/W, 18AWG, sheathed



Standard Sizes as of October 2013 More sizes to be added

Part Number	Window Opening	Output Load Resistor (ohm)
4NO4-50A:5VAC-1.25	1.25" square	200
4NO4-300A:333mV-1.25	1.25" square	3
4NO4-300A-4000:1-1	1" square	TVS
4NO4-400A:10VAC-1.25	1.25" square	250
4NO4-600A:333mV-2	2" square	1
4NO4-800A:333mV-2.5	2.5" square	2