

Specifications

Conditions of Sale

STANDARD: The seller's standard conditions of sale set forth in Price Sheet 150 apply.

SPECIAL TO THIS PRODUCT:

INCLUSIONS: S&C Neutral Current Sensors provide the current-sensing input for IntelliCap® 2000 Automatic Capacitor Controls furnished with optional neutral input sensing. The sensors monitor the current in the neutral-to-ground conductor of grounded, wye-connected shunt capacitor banks. This current is the vector sum of the three capacitor-bank phase currents plus harmonic currents, and is nominally zero. In the event of blown capacitor fuses or stuck capacitor switch poles, the IntelliCap 2000 control senses the increase in neutral current and can generate an alarm or corrective action.

The potted sensor can accommodate aluminum or copper conductors less than 3/4-inch (19 mm) in diameter. It includes an output cable that is available in a variety of lengths.

Neutral current sensors should only be applied on double-bushing capacitors. Single-bushing capacitors

have a ground connection internally connected to the case and are grounded through the mounting rack; there is no common point where the three phase currents can be sensed.

The S&C Neutral Current Sensor Ratio is 100 ampere input = 10 Vac output 6 3%.

How to Order

To complete a catalog number for an order, select a neutral current sensor with no connector on the cable end or a three-pin connector on the cable end in Table 1.

Catalog Number:

Example: For a neutral current sensor with 35-foot (10.7-m) output cable, no connector on cable end, specify:

Catalog Number: 110-000018-04

Note: S&C Neutral Current Sensors are for use with IntelliCap 2000 Automatic Capacitor Controls with the Neutral Current Sensor option "-N1." The sensors are not intended to be used with other manufacturers' controls.

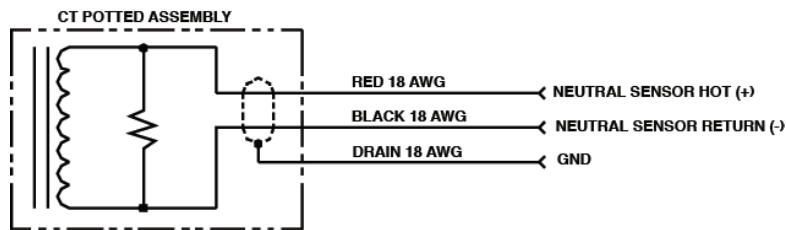
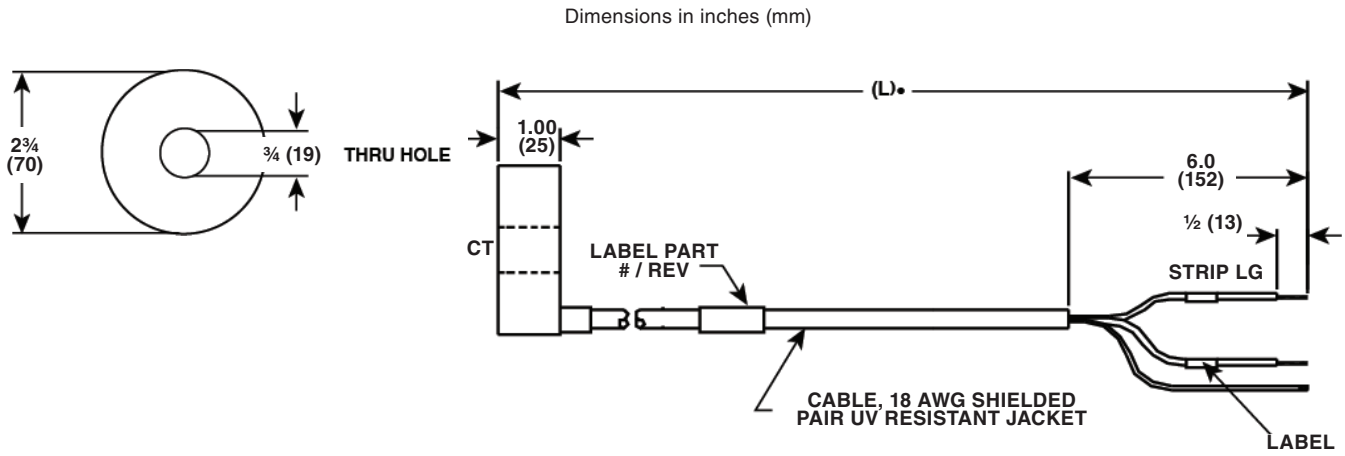
Table 1. Neutral Current Sensors

Item	Output Cable Length, Feet (m)	Catalog Number	Page Reference for Dimensional Information	Net. Wt. Lbs. (Kg.)
Neutral current sensor, no connector on cable end	6 (1.8)	110-000018-01	2	1.5 (.67)
	20 (6.1)	110-000018-03		
	35 (10.7)	110-000018-04		
	100 (30.5)	110-000018-02		
Neutral current sensor, three-pin connector on cable end	6 (1.8)	110-000019-05		
	10 (3.1)	110-000019-04		
	25 (7.6)	110-000019-06		
	35 (10.7)	110-000019-01		
	40 (12.2)	110-000019-07		
	50 (15.2)	110-000019-02		
	200 (61)	110-000019-03		



S&C Neutral Current Sensors

Neutral Current Sensor



- Refer to the table on page 1. Dimension is in feet (meters)