

LINE POST SENSORS

ADVANCED CURRENT & VOLTAGE SENSORS FOR SMART GRID APPLICATIONS

Hubbell Power Systems, Inc. line post sensors are designed for 15kV, 27kV and 35kV outdoor pole or structure mounting applications. These sensors are used to measure voltage, current, or both, and provide a low voltage output proportional to the primary voltage or current being measured. Our ultra lightweight design greatly simplifies the installation process, by allowing installation without the need to de-energize or cut the main conductor. The sensor is also designed to replace the functionality of in-line vertical or horizontal insulators.

FEATURES AND BENEFITS

ENGINEERING AND STANDARDS:

- Cycloaliphatic Epoxy Material (CEP) - Premium Insulator Material
- Best in Class highest leakage distance for high contamination environments. Improved dielectric performance.
- Superior Strike Distance for better impulse withstand capability
- Compatibility with most legacy & newer controllers
- Low Energy Analog Outputs (LEA) - Safety (compared to CT design).
- Safe Dual-Core Current Sensing Technology - inductive based, high accuracy, and complete phase shift compensation
- Improved Grounding Method (Ground Plate - Reliable and Easy Grounding)

OPERATIONS & LINECREW:

- Ultra Light Weight Design with rated Mechanical Strength
- Low Energy Analog Outputs (LEA) - Safety (compared to CT design)
- Lay-in groove and clamps for easy installation and optimal positioning
- New Swing Style Keepers for convenient close and securing of the primary conductor
- No cutting of line required
- Both center pin mounting and 3 inch bolt circle mounting for simple installation process
- Improved Grounding Method (Ground Plate -Reliable and Easy Grounding)



LIST OF HUBBELL SENSOR CATALOG NUMBERS

Sr.No	Type	Part Number	Configuration
1	Current Only - CMI	15kV, 600A:10V	PSC82011100
2		15kV, 1000A:10V	PSC82012100
3		27kV, 600A:10V	PSC82012100
4		27kV, 1000A:10V	PSC82012200
5		35kV, 600A:10V	PSC82014100
6		35kV, 1000A:10V	PSC82014200
7	Voltage Only - VMI	15kV, 1400:1	PSC82011020
8		15kV, 10000:1	PSC82011010
9		27kV, 2200:1	PSC82012030
10		27kV, 10000:1	PSC82012010
11		35kV, 3300:1	PSC82014040
12		35kV, 10000:1	PSC82014010
13	Current & Voltage - CVMI	15kV, 600A:10V, 1400:1	PSC82011120
14		15kV, 600A:10V, 10000:1	PSC82011110
15		27kV, 600A:10V, 2200:1	PSC82012130
16		27kV, 600A:10V, 10000:1	PSC82012110
17		35kV, 600A:10V, 3300:1	PSC82014140
18		35kV, 600A:10V, 10000:1	PSC82014110

Please contact your Hubbell representative for any custom current (or) voltage ratio configurations.

CABLE CATALOG NUMBERS

Sr.No	HUBBELL Catalog Number	Description
1	PSC820221XX	SENSOR, CABLE, 2 PIN ASSY, PIGTAIL
2	PSC820211XX	SENSOR, CABLE, 4 PIN ASSY, PIGTAIL

Please contact your Hubbell representative for any custom cable configurations.