



Polarity statement for AC output sensors:

The voltage on the black output conductor will lead the phase of the voltage applied to LINE 2 by less than 90 degrees. Except for phase, white and black conductors are equivalent. (This may not be true for earlier SRT sensors.)

Polarity statement for DC output sensors:

Increasing input amplitude will make the black output wire positive compared to the white.

Polarity statement for 4-20mA output sensors:

Increasing input amplitude will draw more current from the source. Output polarity can be reversed.

note 1: The maximum length of the output wire depends on many things. For AC output it is limited by capacity and noise. Some improvement in cable drive can be obtained by moving the internal load resistor to the end of the cable. The output impedance of DC units is fairly high and long cable runs can make measurement difficult in an electrically noisy environment. The 4-20 mA outputs are essentially unlimited in range but they are intrinsically slower than the DC output devices. It is best to consult the factory and specify the desired cable length at the time the sensors are ordered.

D-case voltage sensors