

2-Wire Sensor: Intrinsic Safety Barrier Wiring

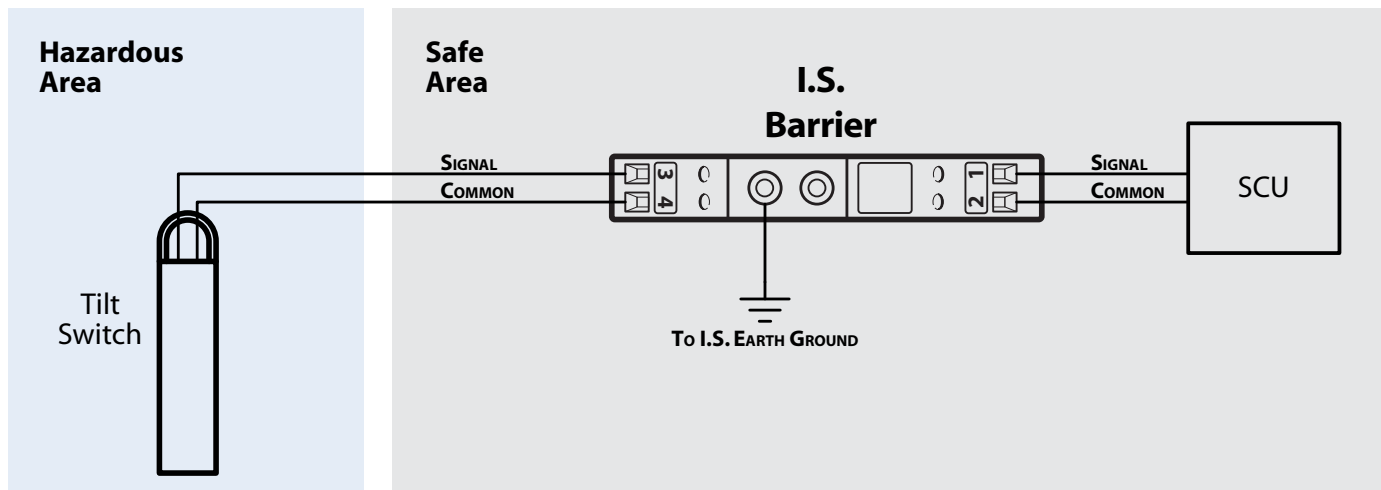
The Intrinsic Safety Barrier limits the current and voltage output to an electronic device in an explosive atmosphere to a level lower than what would be necessary to ignite that atmosphere. When using an Intrinsic Safety Barrier follow all applicable local wiring codes for intrinsically safe wiring.

Model	Working Voltage	Fuse	Max. Resistance
760	6V	50mA	85Ω
765	12V	50mA	135Ω
772	18V	50mA	340Ω
778	24V	50mA	665Ω

Safety Description*		
V	Ω	mA
10	50	200
15	100	150
22	300	73
28	600	47

* Safety Description refers to the maximum voltage of the terminating zener while the fuse is blowing, the minimum value of the terminating resistor, and the corresponding maximum short circuit current. It is an indication of the fault energy that can be developed in the hazardous area.

Sample Wiring Diagram:



* Electro-Sensors is not responsible for proper selection, installation, or wiring of Intrinsic Safety Barriers.