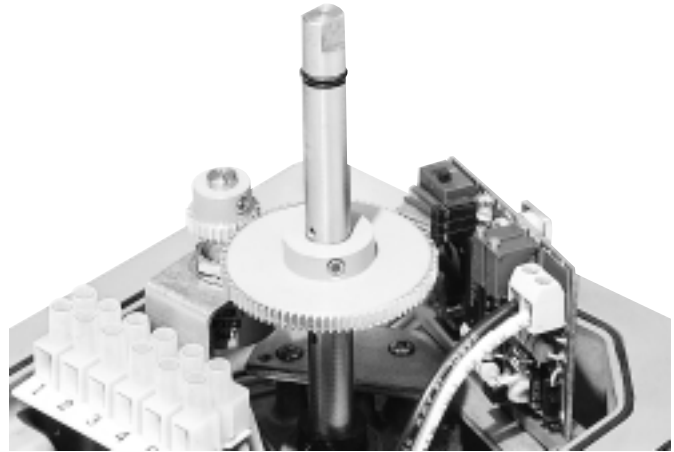


## ***UltraSwitch™ Analog Feedback Options***

### **Introduction:**

UltraSwitch analog feedback options allow accurate and reliable monitoring of valve position. These options provide continuous signals for full stroke indication. We offer two resistive feedback options and a 4-20 mA current transmitter option.



### **Applications:**

Our UltraSwitch analog feedback options may be used in Class I and II, Groups C,D,E,F, and G, Divisions 1 and 2 hazardous locations when utilized with the XL series housing. Corrosion resistant materials assure long life in corrosive environments.

### **Features (all options):**

1. Precision gearing and positive gear engagement eliminates deadband errors.
2. Precise 1% linearity tolerance potentiometers assure accurate feedback.
3. Conductive plastic potentiometers assure long life in corrosive atmospheres.
4. Terminal strip for easy hookup.

### **Additional 4-20 mA Transmitter features:**

5. LED indication of loop power simplifies troubleshooting.
6. Internal zero and span calibration.
7. Direction reverse switch changes feedback from increasing to decreasing signal.
8. Non-interactive span adjustment reduces calibration time.

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**Specifications:**

**Option T:** 4-20 mA Current Transmitter

Voltage Supply Required: 6-30 VDC  
 Impedance: 300 Ohms at 20 mA

*Note: Impedance changes with current (see chart). Voltage drop is constant. To properly design current loop, use 300 Ohms and 20mA current.*

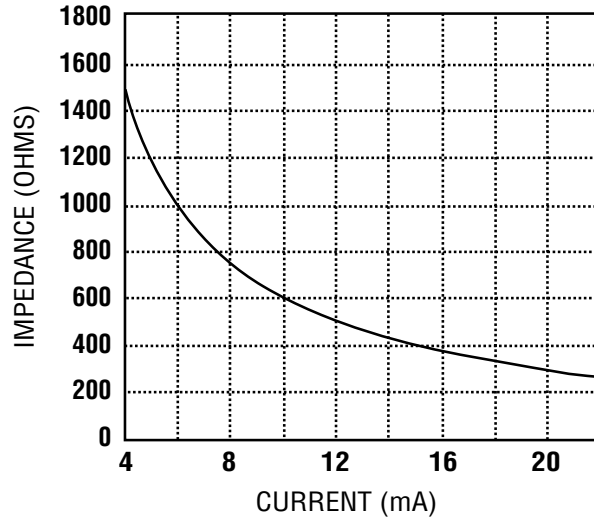
Linearity: 1%

**Option A:** 0-1 Kiloohms Resistive

Max. Load: 1 Watt  
 Linearity: 1%

**Option C:** 0-10 Kiloohms Resistive

Max. Load: 1 Watt  
 Linearity: 1%



**How to Order:**

UltraSwitch™ figure numbers have optional meaningful characters for analog feedback options. Referring to the Table of Contents page, simply specify the character corresponding to the proper feedback option (characters are also shown below).

Feedback Option	Meaningful Character
4-20 mA Transmitter	T
0-1K Resistive	A
0-10K Resistive	C