

Series 17 and 27

Intrinsically Safe Controls

- ▶ Cannot Ignite Flammable Materials
- ▶ Solid State Reliability
- ▶ Up to 470K Ohm/cm Sensitivity (Series 17)
- ▶ Internal Surge Suppression
- ▶ SPST Contacts (Series 17)
- ▶ SPDT Contacts (Series 27)
- ▶ Can Be Used for Single Level or Differential Service

Series 17 – FM Approved

Series 17 is FM Approved for use in Class I or II, Division 1, Groups A-G hazardous atmospheres. SPST isolated contacts. **Field adjustable sensitivity by use of external resistors.**

Series 27 – UL-CSA Approved

Series 27 is UL approved for use in Class I, Groups A, B, C, D; Class II, Groups E, F, G; and Class III hazardous locations. SPDT output contacts. UL Pilot Duty rated.

CSA Certified for Class 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III

Specifications

Contact Design

Series 17	1 N.O. & 1 N.C. Isolated Contacts
Series 27	1 N.O. & 1 N.C. (1 form C)

Contact Rating (24/120/240VAC)

8 amp Resistive

Mode of Operation

Direct/Inverse, factory set

Sensitivity

Series 17 0-470K ohm, field adjustable

Series 27 0-100K ohm, factory set

Primary Voltage

Series 17 24 VAC, 120 VAC, 240 VAC (+10%/-15%) 50/60 Hz

Series 27 120 VAC, 240 VAC (+10%/-15%) 50/60Hz

Secondary Voltage

Series 17 13 VAC, 4 mA

Series 27 11 VAC, 2.3 mA

Temperature

-40°F to +150°F (-40°C to +65°C)

Approvals

Series 17 FM File # 1G9A1.AX

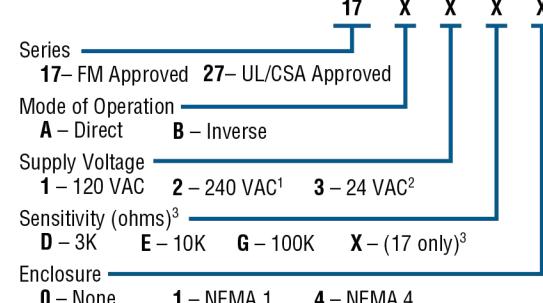
Series 27 U.L. 913 File # E44570; CSA #2174246

Connections

All screw type connections

How to Order

Use the **Bold** characters from the chart below to construct a product code.



Notes:

1. 240V standard in Series 17. Non-standard, but available in Series 27.
2. 24V available only in Series 17.
3. Series 27 only. Series 17 includes a full set of resistors (3.3K, 4.7K, 10K, 47K, 100K, 220K, 470K ohms) to allow modification of sensitivity in the field. Product code symbol in this position for Series 17 is "X."



Series 17



Series 27



Applications

- Hazardous Atmospheres
- Alarms
- Pumps
- Sewage
- Waste Treatment
- CP Industry

Dimensions

