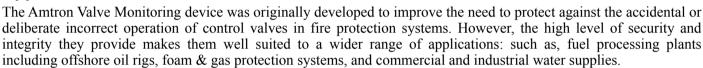


# CLASS A ANTI TAMPER SUPERVISORY SWITCH

### Features

- Class A Anti Tamper Protection
- Enhanced Security (FM Global)
- Intrinsically Safe (IP 67)
- Weatherproof (IP 67)
- Dust Proof (IP 67)
- Flame Retardant
- High Impact Resistance
- Hermetically Sealed
- Shock Resistant
- UV Resistant
- RoHS compliant
- No Mechanical Parts
- Provision for Inclusion of an Addressable or Wi-Fi Device
- Indoor & Outdoor Use

## Applications



Virtually any application where the integrity of a control valve is at risk of accidental or deliberate incorrect operation an Amtron Valve Monitor would be a investment in security. Valve types that the Amtron monitors can be fitted to include but are not limited too: OS&Y (gate), butterfly (BFV), ball, post indication valve (PIV), Non Rising Spindle (NRS) and Sluice Valves.

## Compliant to the following Code and Standards

The Class A monitor is called up and referred to in the following documents;

- NFPA 17.16.1: Control Valve Supervisory Signal Initiating Device
- NEMA 250: Enclosures for Electrical Equipment
- FM GLOBAL CLASS 3135: FM Approval Standard for Sprinkler Valve Supervisory Devices and Enhanced Security

### Certification

The Amtron Class A monitor holds the following certifications:

• Certification of Electrical Equipment for Hazardous Areas (IP65/67 Class I Zone 0) Issued by Londonderry Occupational Safety Centre.

# Specifications

Electrical Ratings	Max & Min working Voltages:30V DC - 19V DCMaximum current rating:200mAAlarm current / voltage:24V @ 30mA
Weight	230grams (.507lb)
Environmental	Temperature: 14F to 131F 5-95% RH Non Condensing
Dimensions	5.8 cm (L) x 4.4 cm (W) x 10.6 cm (H) 2.3" (L) x 1.732" (W) x 4.173 (H)
Mounting	Easy fit bracketing available for all types of valves

# **Principles of Operation**

The Amtron VMD operates on magnetic proximity sensing technology. This proven and tried technology ensures superior reliability and repeatability in operational conditions. In practice the Amtron VMD is aligned with a supplied magnet embedded in the spindle or indicator of a valve (depending on the type) by means of a suitable rigid bracket. The VMD produces an alarm when the valve begins to close - when the magnet moves out of alignment with the VMD within fifteen per cent of spindle travel.

