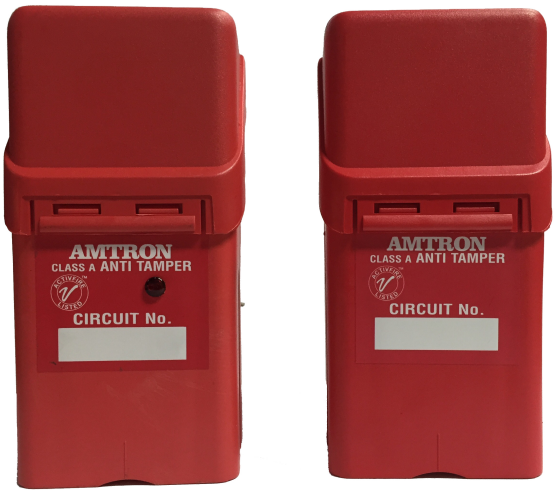
AMTRON
VALVE MONITORING DEVICE

Supplied By Firequip
SERVICE - COMPLIANCE - INTEGRITY

CLASS A ANTI TAMPER SUPERVISORY SWITCH

Features

- Class A Anti Tamper Protection
- 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

The Amtron Valve Monitoring device was originally developed to improve the need to protect against the accidental or deliberate incorrect operation of control valves in fire protection systems. However, the high level of security and integrity they provide makes them well suited to a wider range of applications: such as, fuel processing plants including offshore oil rigs, foam & gas protection systems, and commercial and industrial water supplies.

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;

- National Construction Code (NCC) – Volume One Specification E1.5 Anti-tamper devices
- AS4118.1.4 Fire Sprinkler Systems – Components – Valve Monitors
- AS2118.1 Automatic Fire Sprinkler Systems - Class A monitoring devices
- AS2419.1 Fire Hydrant Installations
- AS1851.1 Maintenance of Fire Protection Systems & Equipment

Certification

The Amtron Class A monitor holds the following certifications:

- Certificate of Conformity from CSIRO ActivFire Scheme complying with the NCC Acceptance of Design and Construction Part A2.2 Evidence of suitability.
- Certification of Electrical Equipment for Hazardous Areas (IP65/67 Class I Zone 0) under the provisions of the Standards Australia Hazardous Area Certification Scheme. Issued by Londonderry Occupational Safety Centre)

Specifications

Electrical Ratings	Max & Min working Voltages: 30V dc/ac - 21V dc/ac Maximum current rating: 200mA Alarm current / voltage: 24V @ 30mA
Weight	230grams (.507lb)
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.