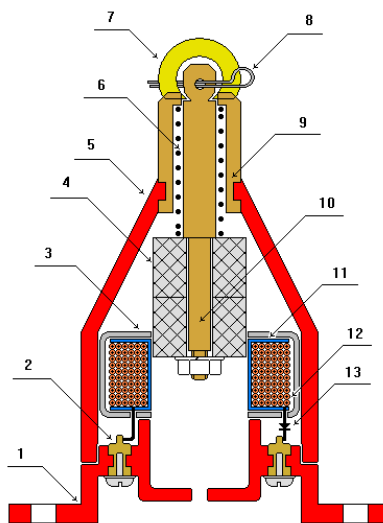
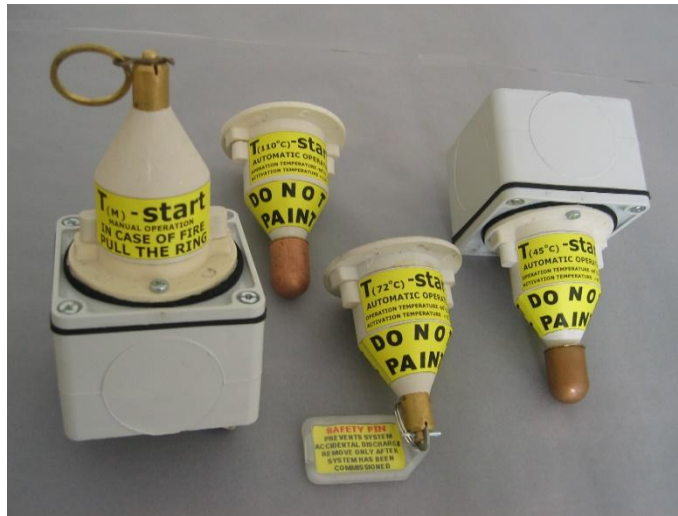


NEW FIRE PROTECTION AUTONOMOUS DETECTION & ACTIVATION DEVICE *T-START*

Artek Engineering Pty Ltd would like to introduce a new and unique autonomous detection and activation device that is able to detect a fire and to actuate a powder, aerosol or gaseous fire suppression system. *T-start* can be used as a standard thermal detector with a fixed temperature. No external power supply is required.



1. Base
2. Electric terminals
3. RF & EMI shielded protective cover
4. Magnet
5. Housing made from high-temperature plastic
6. Compression spring
7. Thermal sensitive lock made from shape memory alloy
8. Safety pin
9. Bronze nose piece
10. Bronze rod
11. Frame of reel
12. Electromagnetic coil

OPERATION: When a heat-sensitive element (7) reaches its rated temperature a spring-loaded rod (10) mounted inside a nosepiece (9) is released. The spring (6) moves a cylindrical shape magnet (4), mounted on the rod (10), through an induction coil (12). The induction coil generates an electric impulse. The impulse is transmitted to the electrical terminals (2) and then to the aerosol or powder fire extinguishers. T(m)-start modification of the device is used for manual actuation of a fire suppression system.

PRODUCT RANGE: *T-start* comes in four different models. Four models operate automatically, similar to the thermal detectors with rated temperatures of 45, 72, 110 ± 5°C. The fourth model is designed for manual actuation of the fire extinguishers.

TECHNICAL CHARACTERISTICS: Length – 85 mm; Diameter – 65 mm; Total mass – 0.2 kg. Volume protected by one device is up to 18m³ (H-3.0m, W-2.4m, L-2.5m). One electric circuit can have up to 10 devices increasing the protected area up to 180 m³. The device generates an electric impulse with amplitude of 3.5V DC at a circuit resistance of 1.0 Ohm. The device can activate the following types of electrical initiators: MB-2H, 3A-1, PP-9, YGP-10, and similar. Maximum relative humidity is – 98% (no condensation).

APPLICATIONS: Industrial (e.g. electric cabinets, storage for flammable materials, workshop), mining, marine, transport (motor vehicles, buses), mobile equipment, domestic (garage), etc.

SERVICE LIFE: The reliability of the device is not less than 50,000 hours under normal ambient conditions. The service life of the device is 10 years.

Exclusivity: The device is exclusively distributed by Artek Engineering Pty Ltd.