Mode 5 & 6 PTC™ Regular Spring Return Actuator

Spring return actuator with ETR (Electro Thermal Release). 60 second reset.

24V AC/DC and 230V AC

Application
The spring-return actuator is intended for the operation Actionair Smoke/Shield PTC™ Hot/Shield PTC™ and Marine A-60 dampers.

Mode of operation
The actuator motors the damper to the reset position whilst simultaneously tensioning the return spring. If the power supply is interrupted, the energy stored in the spring, moves the damper back to the released position to give fail-safe operation.

The ETR incorporates a safety feature that ensures the fail-safe status of the damper if the ETR is not fitted to the ductwork.

The ETR probe has a replaceable 72°C Thermal trip.

An LED on the ETR housing indicates:
- Unit receiving power
- ETR correctly fitted
- Thermal fuse intact

[NOTE: thermal fuse (Tf1) in the ETR housing will operate (permanently) at 71°C].

Signalling
There are two fixed internal micro-switches for indicating the end-positions of the damper.

Intermediate positions of the damper blade are visible by the use of a mechanical pointer.

Manual operation
The damper can be operated manually using the key provided, and fixed in any required position. Release of the locking mechanism can be achieved manually or overridden by applying the supply voltage.

Testing.
A test switch is incorporated in the ETR.