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ISO 9001: 2008

International Standards
Certifications
QAC/R64/0012

Product Overview:

The **Pertronic SGD-DBA** is a 'state of the art' microprocessor based system, which combines the functions of the standard Sprinkler Controller (DBA) with the functions of an SGD.

This provides higher reliability, superior alarm indication and lower cost systems.

The SGD-DBA is available in three configurations:

- (i) **Type X:** a single pressure switch input with simple Fire and Defect pressure adjustments.
- (ii) **Type Y:** two pressure switch inputs, each with simple Fire pressure adjustments
- (iii) **Residential:** input uses direct wired switches, not pressure switches.

An optional LED Display/Relay board is available to provide clean contact outputs for 'Fire' and/or 'Defect' conditions.

The **SGD-DBA** is approved by the Insurance Council of New Zealand.

Approval Number: S1028/95.

Features:

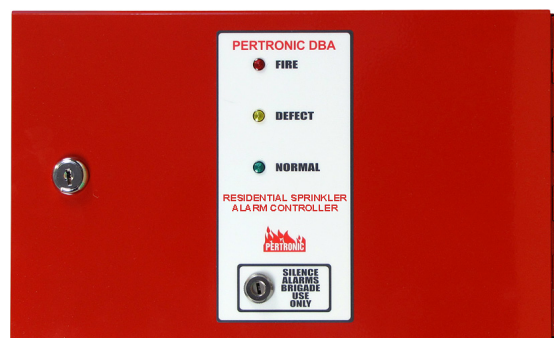
- ▶ Automatic latching of the Fire signal.
- ▶ Powered by either the monitoring company's equipment or a local power supply unit.
- ▶ Sprinkler operated sounder output for Local Warning.
- ▶ Full LED indication for Fire, Defect, and Normal.
- ▶ External BCO
- ▶ Internal BCO
- ▶ External Defect input
- ▶ Anti-Interference input
- ▶ Test and Isolate switches
- ▶ Latching Defect indication
- ▶ Door Closed alarm



SGDBAXMD



SGDBAYMD



SGDBRESMD

Specifications:

| Electrical: | Operating Voltage | | Current | |
|-----------------------|--|-------------------------|--|--|
| SGD-DBA | 12Vdc - from monitoring unit 24Vdc - from isolated PSU - link selectable | | 22mA @ 12Vdc 35mA @ 24Vdc (normal) | |
| Display Relay | 12Vdc or 24Vdc -link selectable | | Quiescent One relay (operated) Two relays (operated) | 25µA 30mA @ 12Vdc 20mA @ 24Vdc 60mA @ 12Vdc 40mA @ 24Vdc |
| Environmental: | Operating Temperature Range 0 to +40°C | | Humidity 10 to 95% RH (non-condensing) | |
| Mechanical: | Dimensions (H x W x D mm) 193 x 322 x 92 | Weight 3.15Kg | Material 1.2mm mild steel powder coated | Colour Red |

LTX Interface:

- RS-485 using LTX/SGD protocol
- A and B Data Lines fused and protected against transient voltage disturbances
- Multi-drop option available

Dual Bell Relay Contacts:

2A at 30Vdc resistive

Sprinkler Operated Output:

7mA at 12Vdc or 24Vdc for Local Warning.

Product Codes:

| NZS Code | Description | NZFPA Listing No |
|-----------|---|------------------|
| SGDBAXMD | SGD-DBA Type X Multi-drop | |
| SGDBAYMD | SGD-DBA Type Y Multi-drop | |
| SGDBRESMD | SGD-DBA Residential Sprinkler Controller Multi-Drop | |
| SGDDRLY | SGD DBA Display Relay Board 12/24V | |
| SGDCE | SGD (Mimic Cable External), 1mm ² x 0.2mm ² | |
| SGDCI | SGD (Mimic Cable Internal), 0.5mm ² x 0.2mm ² | |
| SGDCIFR | SGD Cable, 0.5mm ² x 0.2mm ² Fire Rated | |

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