



Certificate of Conformity

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Product designation

Simplex, Model 4100/4120, control and indicating equipment

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Simplex Fire Products
47 Gilby Road, MOUNT WAVERLEY, VIC, AUSTRALIA, 3149

Registrant

Johnson Controls
17 Mary Muller Drive, HILLSBOROUGH, CHRISTCHURCH, NEW ZEALAND, 8022

Producer

Johnson Controls
17 Mary Muller Drive, HILLSBOROUGH, CHRISTCHURCH, NEW ZEALAND, 8022

Conformance criteria and evaluation

The Simplex, Model 4100/4120, control and indicating equipment has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.4-1987, 'Automatic fire detection and alarm systems - Control and indicating equipment' incl. Amdt 1 (June 1988) / Amdt 2 (October 1989).
2. Australian Standard AS 4428.1-1998, 'Fire detection, warning, control and intercom systems - Control and indicating equipment - Fire'.
3. SSL Test Specification FTS-136, Version 1.4, 'Alarm Acknowledgment Module'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Compatibility of this equipment with new or existing actuating devices should be verified prior to installation.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



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Producer's description

The Simplex, Model 4100/4120, control and indicating equipment (CIE) has the capacity to monitor and control 1024 devices, depending upon system options. The devices can be either conventional zones of detectors or analogue addressable devices. In the event of AC mains loss, standby batteries provide a backup of 24 Vdc supply. The Simplex 4100 systems use a Master Controller Board with a Flash EPROM allowing custom on-site changes directly into the CIE. Battery backed RAM provides historical data even during complete power-down of the system.

A number of Simplex 4100 CIE can be networked by adding a Network Interface Card to each CIE. This Network is called a Simplex 4120 Network. The Simplex, Model 4100/4120, control and indicating equipment incorporates the following configurations;

- 4120 Network communication using RS485 communication protocol and 4120 Network card.
- Universal transponders.
- Network Display Unit (NDU). The 4120 NDU is a network annunciator and manual system controller for a 4120 network. It provides alpha-numeric annunciation for up to 2500 network points.

Multiplex transponders can also be connected to each 4100/4120 CIE in remote locations to form a distributed system (maximum 31 transponders).

The 4100 MAPNET II (Multi Addressable Peripheral Network) card accommodates up to 127 addressable monitor/control devices. The zone adaptor module (ZAM) allows non-addressable modules including devices to interface with MAPNET II circuits. The MAPNET II is compatible with Simplex 4100 CIE, miniplex and universal transponders, and the Simplex 4120 Network. Communication between addressable devices and addressable modules is via the MAPNET II two-way communication. Each MAPNET II Quad Fault Isolator allows an addressable interface module which may incorporate up to four loops. Each Quad Fault Isolator module requires four consecutive MAPNET II device address to be dedicated to its operation. The MAPNET II line isolator unit may also be installed in field to protect against a short circuit on any communication line.

The 4100MXP is an expansion card for the Simplex 4100/4120 CIE. It powers and communicates with up to 250 MX analogue addressable detectors and modules on a two wire loop of up to 2km.

A 2 line, 80 character alphanumeric LCD display is used to annunciate a 40 character custom label message per device or circuit, the device point type, the current status of the device or circuit, as well as operator prompts for acknowledging status changes or inputting commands. Alarm, Isolation, and Fault conditions are indicated at the operator's panel by dedicated LEDs and a piezoelectric sounder. Each of these system conditions has a dedicated acknowledge button.

The Simplex 4120 uses a switch mode power supply to provide up to 8 Amps of power at 24 Vdc for load devices and system operation, plus up to 4 Amps for battery charging responsibilities. The power supply can communicate directly with the Master Controller via internal serial communication.

A Simplex Alarm Acknowledgment Module (AAM) may be optionally fitted to the Simplex, Model 4100/4120, control and indicating equipment. The AAM consisting of;

- a wall-mounted faceplate housing a normally open momentary pushbutton and high intensity red LED,
- a Simplex Model 4098-9714EA Photoelectric Smoke Detector mounted on a Simplex, Model 4098-9794 base assembly,
- a Simplex 4090-9001 Input Alarm Module.

The Alarm Acknowledgment Module (AAM), Model AAM2, may be optionally fitted to Simplex, Model 4100/4120, control and indicating equipment. It is designed to allow the resident of a Sole Occupancy Unit to acknowledge a false alarm and clear the cause of the fire alarm before the Fire Brigade is called. The AAM2 is designed for use with the Simplex, Model 4100/4120, control and indicating equipment when a sounder base is used with the detector.

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Technical specification

The following details are a representative extract of the technical specification for the Simplex, Model 4100/4120, control and indicating equipment and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

| | |
|---|------------------------------------|
| Power supply: | Universal Power Supply (UPS) |
| Nominal output voltage: | 27.3 Vdc |
| Maximum rated current: | 12 A |
| Circuit current limit PTC: | 4 A |
| Battery charger: | |
| Battery charger voltage setting: | 27.3 Vdc |
| Maximum rated output current: | 2.53 A |
| Power supply: | Simplex 4100A - 0157 |
| Nominal output voltage: | 28.5 Vdc |
| Maximum rated current: | 12 A |
| Circuit current limit PTC: | 4 A |
| Standby current consumption: | 147 mA |
| Battery charger: | |
| Battery charger voltage setting: | 27.9 Vdc |
| Maximum rated output current: | 4 A |
| LCD message: | Fault / Yellow |
| No faults: | Off |
| AC voltage status abnormal: | Flash |
| Charger voltage 2% off range: | Flash (limits 28.5 Vdc & 26.4 Vdc) |
| Battery charger capacity: | Flash at 23.5 Vdc |
| Battery low: | Flash at 18.5 Vdc |
| Battery disconnected: | Flash |
| Mains supply indicator: | Green LED ON |
| Panel: | |
| Quiescent panel load: | 1.09 A @ 27.84 V |

Device loads

| Device Type | Min – Max (Volts) | I _q Signal Average (mA) | I _a Average (mA) |
|---|-------------------|------------------------------------|-----------------------------|
| Tyco MX, 814RB Relay Base | 20-40 | 0.05 | 0.10 |
| Tyco MX, 814SB Full Volume Sounder Base | 20-40 | 0.4 | 15 |
| Tyco MX, 814SB Mid Volume Sounder Base | 20-40 | 0.4 | 12 |
| Tyco MX, 814SB Low Volume Sounder Base | 20-40 | 0.4 | 9 |
| Tyco MX, 814IB Isolator Base | 20-40 | 0.08 | 0.08 |
| MIM800 Mini Input Module | 20-40 | 0.275 | 0.275 - 2.8 Note 1 |
| CIM800 Input Module | 20-40 | 0.275 | 0.275 - 2.8 Note 1 |
| SNM800 Sounder Notification Module | 20-40 | 0.45 | 0.45 - 3.0 Note 1 |
| RIM800 Relay Interface Module | 20-40 | 0.285 | 0.29 - 2.8 Note 1 |
| Tyco, CP820, Addressable Manual Call Point | 20-40 | 0.275 | 0.275 - 2.8 Note 1 |
| Tyco MX, 814CH, Multi-Sensor, Carbon monoxide / Heat Type A/B | 20-40 | 0.27 | 3 Note 1 |
| Tyco MX, 814H, Heat Type A, B, C, or D | 20-40 | 0.25 | 3 Note 1 |
| Tyco MX, 814I, Smoke Ionisation | 20-40 | 0.33 | 3 Note 1 |
| Tyco MX, 814PH, Multi-Sensor, Photoelectric Smoke / Heat Type A/B | 20-40 | 0.275 | 3 Note 1 |
| Tyco MX, 814P, Photoelectric Smoke | 20-40 | 0.275 | 3 Note 1 |
| DIM800, Detector Interface Module | 20-40 | 0.1 | 0.1 |

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Note 1: With LED on.

Supplementary information

Evaluated modules

| Module description | Assembly number | Rev | PCB number | Iss | Tech. drawing number | Iss | Reference |
|--|------------------|-------|------------|-----|----------------------|-----|---|
| 4100 Fuse Card Secondary | 002-038 | - | 001-531 | - | 002-038-S | - | 89/FS218, Dec.-1989, |
| 8 LED Module | 562-822 | B | - | - | 841-624 | A | AS 1603.4-1987 |
| 16 LED Module | 562-806 | B | - | - | 841-618 | A | |
| 8 LED Switch | 562-814 | B | - | - | 841-622 | A | |
| 16 LED/8 Switch | 562-747 | B | - | - | 841-623 | A | |
| 16 LED/8 Switch | 562-805 | B | - | - | 841-623 | A | |
| Battery Test Module | 002-045 | - | 015-549 | - | 002-045-S | - | |
| Power Supply Module | 562-808 | ER | 562-807 | B | 841-651 | E | |
| Remote Control Board Assembly | 562-819 | D | - | - | 841-655 | B | |
| Remote Control Unit | 562-876 | A | - | - | 841-655 | B | |
| 16 LED Board (Status Com. Unit) | 562-817 | A | - | - | 841-654 | C | |
| Remote (Serial Interface Board) | 562-791 | B | - | - | 841-728 | | |
| Graphic I/O | 562-789 | B | 562-788 | B | - | - | 89/FS218, Dec.1989, |
| LED Switch Controller | 562-729 | C | 562-728 | C | 841-615 | B | AS 1603.4-1987 |
| Status Command Unit | - | - | 962-794 | B | 841-654 | C | |
| 24 point I/O Relay Motherboard PA0957 | 002-124 | C/2/2 | 004-098 | C | | | XB1199/R1, Jan. 1997 AS 1603:4-1997 inc amdt 1 & 2 |
| Remote Interface II | 565-233 | D/1 | - | | 841-858 | | |
| 24 Point Serial Graphic I/O | 565-087 | F | 565-086 | A | 841-796 | A | |
| Power Supply Controller | 565-247 | H | 565-246 | | 841-863 | | |
| Expansion Supply Controller | 565-259 | | 565-258 | | 841-871 | | |
| UT Master Controller | 565-333 | H | 565-332 | E | 841-901 | E | |
| UT Motherboard | 565-274 | B | - | | | | |
| RUI Module | 565-217 | C | 565-216 | B | 841-851 | | |
| Network Interface Board | 565-189 | | 565-248 | A | 841-864 | B | |
| Quad Fault Isolator (for Mapnet Addressable Loop) | 565-158 | D | 565-157 | C | 841-824 | B | |
| Supervised Individual Addressable Module (IAM) | 2190-9172A | | 565-281 | | 801-695 | | |
| 8 Pt. Aux. Relay Card | 565-045 | F | 565-044 | C | 841-818 | | |
| Mapnet Line-Powered Isolator Module | 565-191 | | | | 841-839 | | |
| 24V Distribution Board | 002-109 | A/1 | 004-100 | A | | | |
| Alarm Acknowledgment Module | AAM | | | | | | XF1689/R1, Sep 2000 SSL Specification FTS-136v1.4 |
| Modular Interface Network Card | 565-516 | C | 565-515 | B | | | XF1727/R1, Jun. 2001, |
| RS485 Media Module for Network Interface Card | 565-413 | B | 565-413 | B | | | AS 4428.1-1998 |
| Fibre Optics Media Card for Network Interface Card | 565-261 | D | 565-261 | D | | | |
| 8 Zone Monitor Card P/N 4100-5004 (conventional zone interface module) | 565-226 | D | 565-225 | C | | | |
| Alarm Acknowledgment Module (AAM2) | ME0420 FA2318 | | | | 1974-16 | B | XF1913/R1, July 2002 SSL Specification FTS-136v1.4 |
| 4100MXP Interface mother board | 1976-99 | C/3 | 1976-99 | C | 1976-99 | 3 | XF1924/R1, October 2002, AS 4428.1-1998 |
| 4100MXP MX Interface | 1976-77 | B/2 | 1976-77 | B | 1976-77 | 2 | |

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EPROMS

| | | | |
|--|--|---------------------------------------|--------------|
| U11 U16 ET Upper | 4100+Ver 7.01 | Master Card - 4100A Lower U149 - 0 | Rev A9.02.15 |
| CFG SSL Test 1 | 2BCV3 27/4/94 Ver 7.01 | Master Card - 4100A Upper U16 - 0 | Rev A9.02.15 |
| U14 UT Lower | NET. 101.01 4EFE Ver 7.01 D237 | 4100MXP | Ver 1.00 |
| Modular Interface Card U6 DNET 4100 | 740-927 3.02.93-6A31 23 Jan 1998 | | |

Actuating devices

| Actuating device | Maximum number of devices allowed per 562-731 Rev B 8 Point Monitor (3k3) | Reference |
|--|---|--|
| Apollo, Series 60 P/N 55000-105AUS Heat Type A | 40* | XF1065 March 1993 |
| Apollo, Series 60 P/N 55000-106AUS Heat Type B | 40* | Compatibility Assessment |
| Apollo, Series 60 P/N 55000-107AUS Heat Type C | 40* | |
| Apollo, Series 60 P/N 55000-108AUS Heat Type D | 40* | |
| Apollo, Series 60 P/N 55000-240AUS Smoke | 40* | |
| Apollo, Series 60 P/N 55000-310AUS Smoke | 40* | |
| <i>The above detectors with Apollo 45681-200 base</i> | | |
| Brooks, PFS-A Heat Type A | 40* | XB0808, Mar. 1992 |
| Brooks, PFS-B Heat Type B | 40* | Compatibility Assessment |
| Brooks, PFS-C Heat Type C | 40* | |
| Brooks, PFS-D Heat Type D | 40* | |
| Brooks, PFS-I Smoke | 24 | |
| Brooks, PFS-I MkII Smoke | 40* | |
| Brooks, PFS-P Smoke | 24 | |
| Brooks, PFS-P MkII Smoke | 31 | |
| <i>The above detectors with Brooks PFS-BA MkII base.</i> | | |
| Cerberus DL01191A Beam Detector | 1 | XF1535 March 1999, Compatibility Assessment |
| Hochiki DCA-B-60R Mk V Heat Type A | 40* | 89/FS218 December 1989 |
| Hochiki DCA-B-90R Mk V Heat Type C | 40* | AS 1603.4-1987 |
| Hochiki DFE-60B, Heat Type B | 40* | XB0994, 16-Dec-92, |
| Hochiki DFE-90D, Heat Type D | 40* | Compatibility Assessment |
| <i>The above detectors with Hochiki YBC-RL/4AH4 base</i> | | |
| Hochiki HF-24A Mk1 UV Flame Detector | 14 | 89/FS218 December 1989 |
| Hochiki, SIF-A Mk 1 Smoke | 40* | AS 1603.4-1987 |
| Hochiki, SLG-AM Mk 1 Smoke | 40* | |
| Hochiki SLK-A, Smoke | 40* | |
| Hochiki, DCC-A Heat Type A | 40* | XB0994, 16-Dec-92, |
| Hochiki, DCC-C Heat Type C | 40* | Compatibility Assessment |
| <i>The above detectors with Hochiki YBF-RL/4AH4M or YBC-R/3A base.</i> | | |
| Hochiki SPA-AB Beam Detector | 13 | 89/FS218 December 1989 AS 1603.4-1987 |
| Hochiki, DFJ-60B Heat Type B | 40* | XF1252/R2, Feb. 1998, |
| Hochiki, DFJ-90D Heat Type D | 40* | Compatibility Assessment |
| <i>The above detectors with Hochiki YBO-R/4A base</i> | | |
| Hochiki, DFG-60BLKJ Heat Type B (Cool Room) | 40* | F711 |
| Hochiki SIH-AM Smoke with YBC-RL/4AH4 base | 16 | Compatibility Assessment |
| Hochiki DCD-A, Heat Type A | 40* | XF1252/R2 February 1998 |
| Hochiki DCD-C, Heat Type C | 40* | Compatibility Assessment |
| Hochiki SIJ-ASN Smoke | 40* | |
| Hochiki SLR-AS Smoke | 40* | |

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| Actuating device | Maximum number of devices allowed per 562-731 Rev B 8 Point Monitor (3k3) | Reference |
|---|---|---------------------------|
| <i>The above detectors with Hochiki YBC-RL/4A base</i> | | |
| Olsen, B111B Beam Detector | 40* | SSL Letter, 21-June-1991, |
| Olsen C24 Smoke with Z54B base | 33 | Compatibility Assessment |
| Olsen C29BEx with Olsen Z54 or Z54BEx base | 40* | |
| Olsen P24B Smoke with Z54B base | 33 | |
| Olsen P29B Smoke with Z54B base | 27 | |
| Olsen R23B Infra-Red Flame Detector | 7 | SSL Letter, 21-June-1991, |
| Olsen R24BEx Infra-Red Flame Detector | 7 | Compatibility Assessment |
| Olsen T54B Type E Heat | 40* | |
| Olsen T56B Mk 5 Type A Heat | 40* | SSL Letter, 21-June-1991, |
| Olsen T56B Mk 5 Type B Heat | 40* | Compatibility Assessment |
| Olsen T56B Mk 5 Type C Heat | 40* | |
| Olsen T56B Mk 5 Type D Heat | 40* | |
| <i>The above detectors with Olsen Z54B & Z55B bases</i> | | |
| Olsen V41B/V42B UV Flame Detector | 40 | SSL Letter, 21-June-1991, |
| Olsen/Cerberus FW81B Type E Heat Detector Cable | 1 | Compatibility Assessment |
| Simplex 2098-9201 Smoke | 40* | XF1017, September 1994 |
| Simplex 2098-9576 Smoke | 40* | Compatibility Assessment |
| Simplex 4098-9413 Heat Type A | 40* | |
| Simplex 4098-9414 Heat Type B | 40* | |
| Simplex 4098-9415 Heat Type C | 40* | |
| Simplex 4098-9416 Heat Type D | 40* | |
| <i>The above detectors with Simplex 2098-2911 base</i> | | |
| Simplex, 4098-9619EA, Heat Type B | 30 | XF1727/R1, Jun 2001 |
| Simplex, 4098-9621EA, Heat Type C | 30 | AS 4428.1 - 1998 |
| <i>The above detectors with Simplex 4098-9788EA base</i> | | |

* Maximum number of detectors per AZF/AZC allowed by code.

| Actuating device | AAM | Reference |
|--|-----|--|
| Simplex, 4098-9714 Smoke with Simplex 4098-9794 base | 500 | XF1689/R1 September 2000 SSL Test Specification FTS-136v1.4 |

| Actuating device | Maximum number of devices allowed per 4100-5004 8 Zone Monitor Card (EOL=3k9) | Reference |
|--|---|--|
| Simplex, 4098-9618EA, Heat Type A | 30 | XF1727/R1, Jun 2001 |
| Simplex, 4098-9619EA, Heat Type B | 30 | AS 4428.1-1998 |
| Simplex, 4098-9621EA, Heat Type C | 30 | |
| <i>The above detectors with Simplex 4098-9788EA base</i> | | |
| Simplex 4098-9601EA Smoke | 30 | |
| Simplex 4098-9603EA Smoke | 30 | |
| <i>The above detectors with Simplex 4098-9788EA base</i> | | |
| Tyco, T614A, Heat Type A | 30 | XF1910/R1, July 2002 |
| Tyco, T614B, Heat Type B | 30 | AS 4428.1-1998 |
| Tyco, T614C, Heat Type C | 30 | |
| Tyco, T614D, Heat Type D | 30 | |
| Tyco, 614CH, CO and Heat | 37 | PHG0055 XF2125 Tyco compatibility review, |
| Tyco, 614I, Ionisation Smoke | 40 | AS 4428.0-1997 |
| Tyco, 614P, Photoelectric Smoke | 28 | |
| Tyco, 614TA, Heat Type A | 30 | PHG0063 |
| Tyco, 614TB, Heat Type B | 30 | AS 4428.0-1997 |
| Tyco, 614TC, Heat Type C | 30 | |
| Tyco, 614TD, Heat Type D | 30 | |
| <i>The above detectors with models Tyco 5B or Tyco/Minerva MUB/M614 base</i> | | |

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| Actuating device | Maximum number of devices allowed per 2190-9156 Mapnet Monitor Zam (EOL=3k3) | Reference |
|--|--|--|
| Tyco, T614A, Heat Type A | 20 | XF1910/R1, July 2002 |
| Tyco, T614B, Heat Type B | 20 | AS 4428.1-1998 |
| Tyco, T614C, Heat Type C | 20 | |
| Tyco, T614D, Heat Type D | 20 | |
| Tyco, 614CH, CO and Heat | 25 | PHG0055 XF2125 Tyco compatibility review, |
| Tyco, 614I, Ionisation Smoke | 29 | AS 4428.0-1997 |
| Tyco, 614P, Photoelectric Smoke | 19 | |
| Tyco, 614TA, Heat Type A | 20 | PHG0063, |
| Tyco, 614TB, Heat Type B | 20 | AS 4428.0-1997 |
| Tyco, 614TC, Heat Type C | 20 | |
| Tyco, 614TD, Heat Type D | 20 | |
| <i>The above detectors with models Tyco 5B or Tyco/Minerva MUB/M614 base</i> | | |

| Actuating device | Maximum number of devices allowed per 4090-9101 IDNET Monitor Zam (EOL=3k3) | Reference |
|--|---|--|
| Tyco, T614A, Heat Type A | 20 | XF1910/R1, July 2002 |
| Tyco, T614B, Heat Type B | 20 | AS 4428.1-1998 |
| Tyco, T614C, Heat Type C | 20 | |
| Tyco, T614D, Heat Type D | 20 | |
| Tyco, 614CH, CO and Heat | 25 | PHG0055 XF2125 Tyco compatibility review, |
| Tyco, 614I, Ionisation Smoke | 29 | AS 4428.0-1997 |
| Tyco, 614P, Photoelectric Smoke | 19 | |
| Tyco, 614TA, Heat Type A | 20 | PHG0063, |
| Tyco, 614TB, Heat Type B | 20 | AS 4428.0-1997 |
| Tyco, 614TC, Heat Type C | 20 | |
| Tyco, 614TD, Heat Type D | 20 | |
| <i>The above detectors with models Tyco 5B or Tyco/Minerva MUB/M614 base</i> | | |

* Maximum number of detectors per AZF/AZC allowed by code.

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4100MXP

| Device type | Maximum addressable points on analogue loop | Maximum addressable points on analogue line | Reference |
|---|---|---|---|
| Tyco MX, 814CH, Multi-Sensor, Carbon monoxide / Heat Type A/B | 250 | 40* | XF1924/R1, October 2002, AS 4428.1-1998 |
| Tyco MX, 814H, Heat Type A, B, C, or D | 250 | 40* | |
| Tyco MX, 814I, Smoke Ionisation | 250 | 40* | |
| Tyco MX, 814PH, Multi-Sensor, Photoelectric smoke / Heat Type A/B | 250 | 40* | |
| Tyco MX, 814P, Photoelectric | 200 | 40* | XF1659/R4, AS 4428.1-1998 |
| <i>The above detectors with models Tyco 5B / 5BI or Tyco/Minerva MUB/M614 base or Tyco MX 814RB, 814SB, 802SB and 814IB bases</i> | | | |
| Tyco, CP820, Manual Call Point | 250 | 40* | XF1924/R1, October 2002, AS 4428.1-1998 |
| Tyco MX, 814RB, Relay Base | 250 | 40* | |
| Tyco MX, 814SB, Sounder Base (full volume) | 60 | 40* | |
| Tyco MX, 814SB, Sounder Base (mid volume) | 80 | 40* | |
| Tyco MX, 814SB, Sounder Base (low volume) | 104 | 40* | |
| Tyco MX, 814IB, Isolator Base | 128 | 40* | |
| MIM800, Mini Input Module | 250 | 40* | |
| CIM800, Contact Input Module | 250 | 40* | |
| SNM800, Sounder Notification Module | 250 | 40* | |
| RIM800, Relay Interface Module | 250 | 40* | |
| DIM800, Detector Interface Module | 250 | 40* | |

* Maximum number of detectors per AZF/AZC allowed by code.