

Fire Panels

Firetracker Analogue Addressable Fire Alarm System

Model FT1020G3

- Up to **1020** addresses per control and indicating equipment (C.I.E)
- **Redundant network** for up to 30 control units with two TLON networks
- Large front display makes **FT1020G3** user-friendly
- An optional panel mount printer can be added if required

General

Firetracker FT1020G3 is an intelligent analogue addressable fire system, conforming to the AS7240.2 Control and Indicating Equipment, AS7240.4 Power Supply and AS4428.3 - 2010 Fire Brigade Panel standards. **FT1020G3** is the third generation of Brooks intelligent analogue addressable systems. It meets the most stringent requirements in order to secure real fire alarms and to reduce nuisance alarms.

Features

A user friendly PC software **EBLEin** is used to create, edit, download (back up) the site specific data (SSD). It is also used for the maintenance, new SW downloads, etc. Some other features and functions:

- **Adaptation** of each analogue detector's alarm level in relation to its contamination. A service signal will be given when a detector has to be replaced.
- **Advanced Alarm Algorithms** for contamination compensation, self diagnostics and filtering the nuisance alarms from the real fire alarms and one algorithm is used for faster detection of smoldering fires.
- **User related functions** eg; Test mode, time channels, alarm delay, Alert Annunciation, disablements of outputs and inputs, two-unit dependence, user definable alarm text for each alarm point etc.
- **Programmable inputs and outputs** on the COM loop. A larger number of trigger conditions are available.
- **Expansion boards** (options) up to six boards with conventional zone line inputs, relay outputs and/or supervised inputs and outputs.



- **Interface** for External Presentation units, Alert Annunciation Units, etc.
- **Web-server** 1598 (option) can connect the system to Internet (LAN), for status presentation and remote control via a PC (web browser).
- I/O matrix boards for AS1668 fan control, zone disable, remote mimic applications, etc.

Up to 1020 addresses

Firetracker FT1020G3 has a capacity of connecting 1020 addresses. Basic configuration is 510 addresses. Can be software upgraded to 1020 addresses on site. Each addressable loop unit requires one address. Each C.I.E. has four COM loops for connection of up to 255 units per loop.

Some **loop units** that can be connected:

- Addressable external power supply unit
- Analogue smoke and heat detectors
- Addressable manual call points
- Addressable short circuit isolators
- Addressable input and output units
- Addressable sounder bases and sirens.

TLON Network

Up to 30 of **Firetracker FT1020G3** control panels can be connected in a TLON network. Two TLON connection boards 1590 are required in each C.I.E. (redundant network).

Miscellaneous

The cabinet of **Firetracker FT1020G3** has space in the cabinet for up to two 17Ah Sealed Lead-Acid batteries. Additional Battery box can be used if larger batteries are required.

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Product Group

Product Code	Description
FT1020G3 Series	FT1020G3 C.I.E. 510 or 1020 alarm points / loop devices and with or without printer depending on the product part number selected. Cabinet can be supplied with a space for the optional printer, up to 8 display options and a rear mounting plate for additional equipment.
5058	Printer including one paper roll
5059	Paper roll (square part for printer 5058)
4580	8 zones expansion board (8 zone line inputs for conventional detectors).
4581	8 relay expansion board (8 programmable relay outputs)
4583	Inputs / outputs expansion board
1590/5090	TLON connection board – required for a TLON network. One board in each C.I.E For redundant network, two 1590 boards required in each C.I.E.

Specifications

Technical Data		
Voltage	Primary	230V AC, 1.6A AC
	Secondary / system voltage	24V DC, Nominal
Current Consumption		Depending on no. of expansion board (s), optional modules, etc. Refer to FT1020G3 Technical Manual and current calculation sheet.
Ambient Temperature	Operating	0 to +40 °C
	Storage	-40 to + 70 °C
Ambient Humidity (% RH)		Max.90, non-condensing
Ingress Protection rating		IP30
Inputs		4 COM loops for 1020 addresses. 4 programmable (NO/NC non supervised)
Outputs		4 programmable supervised voltage outputs 2 programmable relay outputs Relay outputs for routing equipment (Fire alarm and Fault condition Power supply (6 x 24 V DC) for Web-server, routing equipment, external equipment, etc
Size H x W x D (mm)		Large cabinet: 920 x 450 x 220 (including door) Standard cabinet: 630 x 450 x 220 (including door)
Weight		Dependent upon configuration chosen
Colour (metal cabinet)		Oyster
Approvals		Conforms to AS7240-2, 7240-4 and fire brigade panel AS4428.3-2010



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