6100 Single Loop Fire Alarm Control Panel



The Protec Algo-Tec 6100 is a single loop, digital addressable fire alarm detection and alarm system

Standards / Approvals

- EN 54-2 : 1997 + A1 : 2006
- EN-54-4 : 1998 + A1 +A2

Technical Specification

Product Code	6100
Rated Voltage	100 to 240V ac rms
Rated Frequency	50 to 60 Hz
Rated Current	600 mA rms
Working Voltage	21.5 – 29V dc
Temperature Range	0 – 40°C
Maximum Humidity	85% non-condensing
IP Rating	IP30
Battery Type	2 x 12V 3.3Ah sealed lead acid
Standby Load (Mains Fail Condition)	22mA
Maximum Alarm Load (Mains Fail Condition)	56mA panel 600mA loop 200mA conventional alarms (100mA per alarm output) 150mA auxiliary 24V output 20mA fire-link
Display	Backlit liquid crystal display 4 lines of 20 characters
Digital Addressable Loops	One
Protocol	Algo-Tec™ 6000/6000PLUS Protocol
Total Loop Load	600mA including all loop connected devices
Printer	No
Zones	32 Zones, 16 with LED indication, plus general fire indicator
Internal Charger	1A dc switch mode, temperature compensated
Integral Battery	2 x 12V 3.3Ah sealed lead acid
Alarm Outputs	2 monitored conventional sounder circuits (100mA per output maximum) Up to 192 alarm outputs using loop output devices.
Global Fire Outputs	1 set of non-monitored changeover contacts
Alarm Load	600mA loop, 100mA per conventional alarm output

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Fault Monitoring	Fully fault monitored to EN 54-2 & 4
Auxiliary Output Supply	Single pole changeover contacts (1A rated @ 24V dc)
Common Fire Output (Fire Station)	24V dc fused at 150mA
Communications Interface	USB 2.0 (Type A male to Type B male connection lead required – 2 Metres maximum length)
Dimensions	228(W) x 345(H) x 111(D)
Weight	1.5kg (excluding batteries)

Data within this document is subject to change without notice.
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