

MA-1000A | Analog Addressable Fire Alarm Control Panel

MA-1000A is an intelligent analog addressable fire alarm control panel with a two-loop configuration which supports up to 126 XP95 and Discovery devices or up to 252 Soteria addressable devices per loop, as well as a variety of call points, detectors, interfaces, beacons, and loop sounders.

It has large and is suitable for complex cause-and-effect programming as well as an extensive range of user-controllable functions. The perfect for commercial and industrial applications and projects that range from small to large sites.

All components of the MA fire detection system family operate as part of a fully-integrated system, with panel, detectors, interfaces, and other ancillaries working in full compatibility. The MA product series is easy to configure thanks to networking capabilities and proprietary MTech software.



System Functionality:

- Multiple-stage and complex cause-and-effect programming: a wide range of user-controllable functions and three stages of cause-and-effect programming per output device which meet the needs of diverse, small-to-large-scale projects.
- Full system integrity also in the event of an external short-circuit fault: when a short-circuit is detected, isolators on the devices closest to the problem automatically isolate the fault, and drive communication from both ends of the loop to sustain full communication with all system devices.
- Local network which extends MA-1000A to include conventional panels from the MTech range of products to the panel while maintaining panel's full control of inputs and outputs for extinguisher or small office control.
- Complies with NFPA Standard 72 requirements, and listed by Underwriters Laboratories under the UL864 10th Edition.

Features & Benefits:

- Simple and comprehensive four-row graphic display
- Easy installation and maintenance
- Internal self-testing device that is operated manually
- Quick scan of analog values of detectors connected to and report exported to excel
- Improved protection against false alarms (in case of ground fault or strong noise)
- Flexible programming abilities using virtual zones
- 1-second response to alarm or network failure
- Isolated from noise
- Protected from network communication data loss
- Can be programmed on site or by using the MTech site installer software on PC

Technical Specifications:

| | |
|--------------------|--|
| Code | MA-1000A |
| Description | Analog Addressable Fire Alarm Control Panel, UOJZ.S36158 |
| Standards | UL864 10th Edition, SII1220 and TR TC EAC 043-2017 |

Specification

| | |
|-----------------------------|---|
| Panel Display | 4-line x 16-character LCD display, multilingual support |
| Panel Keyboard | Full numeric keyboard: Reset, Silence, Forward, ESC, Enter |
| Panel Indication | LED indication: AC, Alarm, Trouble, Silence, Supervisory |
| Sound | Internal alarm buzzer |
| Number of Loops | 2 SLC loops class A with option of 4-loop class B operation |
| Loop Powered Outputs | 700 mA power for loop |
| Addresses Per Loop | Up to 126 XP95 and Discovery analog addressable devices Up to 252 Soteria analog addressable devices |
| Programming Port | USB port for PC communication |
| Output Ports | RS485 and RS232 |
| Network | MA-NET network card for RS-485 network for communication of up to 64 panels in a network with global correlation matrix |
| | MA-NET TCP/IP network card for TCP/IP network |
| | LNET/RS-485 for communication up to 32 conventional MB-202, 204 and 208 panels and/or up to 4 remote annunciators MA-1050A per FACP |
| Event History | Buffer for 2,000 events with date and time stamp as well as 10,000 events in MA-NET card buffer |
| Service | Built-in walk test |

Power

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|-------------------------|--|
| Input Voltage | Input 120VAC 3.2A / 230VAC 1.6A; 50/60Hz |
| Operated Voltage | 24VDC 6.5A |
| Battery | Two 12V up to 20 Ah |

Output

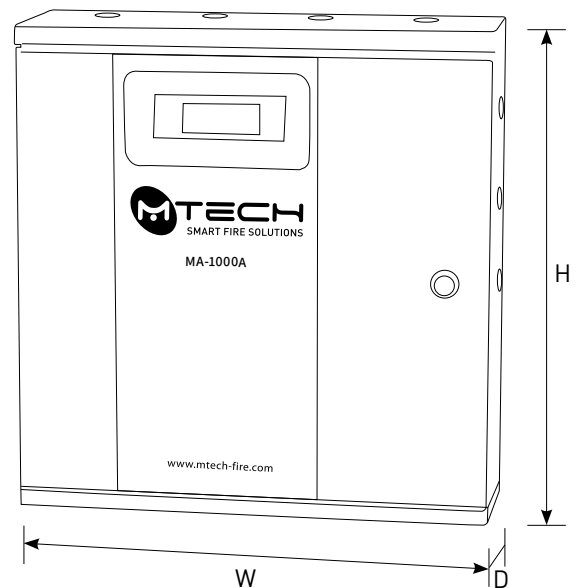
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|---------------------|--|
| Panel NACs | 4 O/P NACs (600mA) |
| Panel Relays | alarm (1), trouble (1), programmable (3) |

Physical

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|--|-------------------------------|
| Environmental Operating Temperature | 0 - 49°C |
| Humidity (Non-Condensing) | 0 - 93% RH |
| Physical Construction | Metal box |
| Color | RAL 3000 |
| Weight | 7 kg |
| Ingress Protection | IP31 |
| Cable Entries: | Top (4), right (11), left (2) |

Compatibility

| | |
|------------------------------|---|
| Suitable for Use With | MTech MA Analog Addressable Fire System |
| | MTech MB Conventional Fire System |
| | MA-1050A Remote Annunciator |
| | MA-1000FSCS Smoke Control System |
| | MA-Monitoring Graphical Management Software |



Dimensions:

W. 370 mm | H. 393 mm | D. 112 mm



Order Code:

MA-1000A English version

MA-1000ARUS Russian version