

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

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

Output

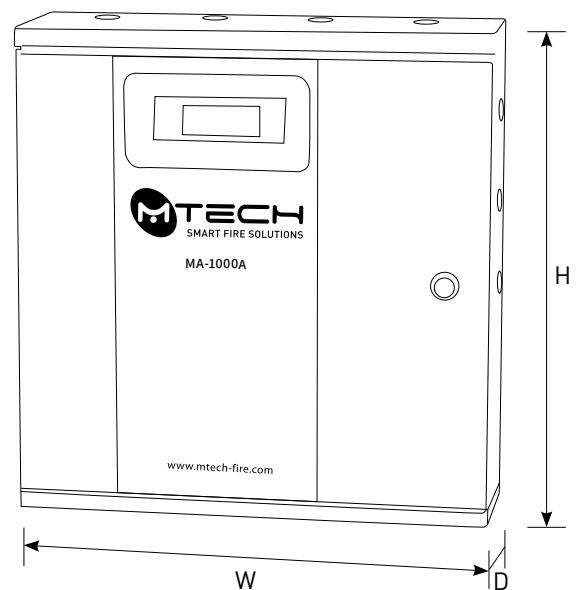
Panel NACs	4 O/P NACs (600mA)
Panel Relays	alarm (1), trouble (1), programmable (3)

Physical

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