Features

Modularity	Base system can be expanded via optional modules
Flexible Capacity	Can be tailored to the site's specific needs
Small Basic Unit	Starts at 4 detection zones / 4 programmable supervised outputs / 2 supervised notification outputs / 3 programmable relays
Networking Capability	Linking multiple control panels
Internet Ready	Optional module adds monitoring and notification capabilities: ■ Web Server ■ E-mail notification ■ SMS paging ■ Fire Alarm monitoring via LAN/WAN/Internet
Advanced Activation Matrix	Activate any output / relay according to specific logical combination of zones - general alarm, fault, supervisory, cross-zones, one to one, one to many, etc.
Alarm Response Time	Less than 1 second
Programmability	All parameters entered from the front panel (does not require a PC)
Protected Access	Password-protected authorized access
Installer Friendly	Easy operation and maintenance - any event in the system is clearly displayed in detail allowing fast and easy troubleshooting
Maintenance Alarm	Includes a maintenance alert for detectors (dependant on using Telefire detectors), a function that required, until now, analog addressable panels
Event Memory	Areal time clock and calendar for event logging. System log can be viewed via a PC or printed for system investigation purposes.
High Survivability	Telefire's unique ACM (Advanced Current Management) provides high resilience during fault events
EMC Tested	Industrial CE Approved

TSA-1000™

Smart Conventional Multi-Zone Fire Alarm and Extinguishing Control Panel

Complies with all major international standards: UL-864, EN-54, EN-12094, GOST, IS 1220, CE

TELEFIRE
FIRE & GAS DETECTORS LTD

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Introduction

Telefire's new generation conventional control panel narrows the gap between analog and conventional control panels. Drawing on more than three decades' experience in designing fire alarms control panels, the state of art TSA-1000 Conventional Multi-Zone Fire Alarm and Extinguishing Control Panel was designed and operates in complience with numerous standards, among which are: EN 54-2, EN 54-4, EN 12094-1, UL 864,GOST, and IS 1220

The TSA-1000 is ideally suited for new and retrofit applications. Designed for small- to medium commercial, industrial and institutional buildings, it meets and exceeds the current requirments. The base control panel contains 4 zones, 4 programmable outputs, horn output, dialer outputs, and 3 programmable relays.

The control panel is modular and can be extended to add inputs, outputs and relays. Digital remote panels, computer communication and synoptic panels can also be connected.

Telefire's unique ACM (Advanced Current Management) provides dynamics current distribution and allows resource menagment flexibility. Any event in the system is clearly displayed in detail and allows quick and easy troubleshooting for the user, operator and service technician.

As the system is computerized, it allows working in various modes that can be easily reconfigured in the field without special tools, and at the same time allowing access only to authorized personnel.

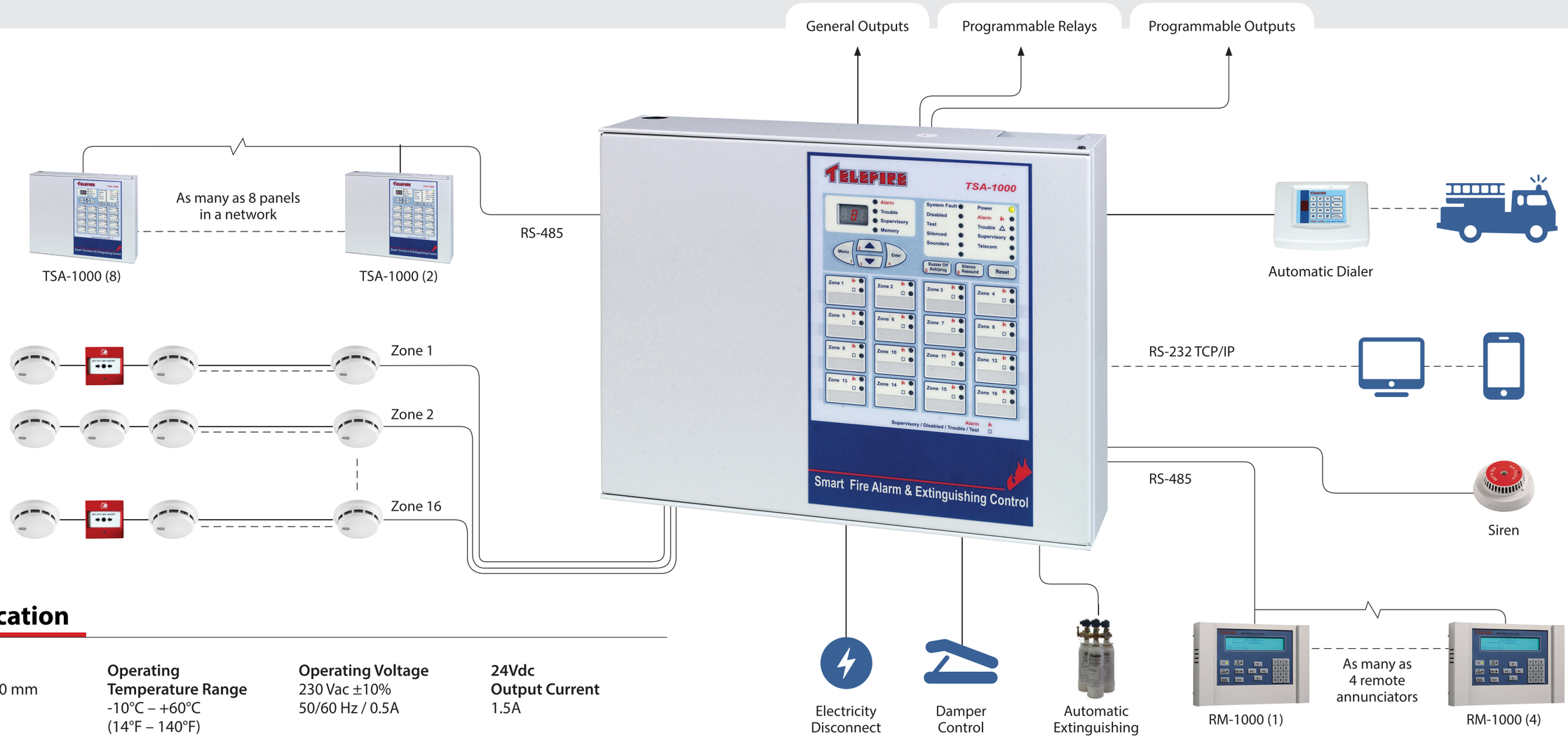
The TSA-1000 can be configured as a fire alarm or fire alarm and extinguishing control panel. Telefire's unique matrix logic (AAM – Advanced Activation Matrix) allows flexible matrix configuration varying from simple to very complex matrix requirments.

The TSA-1000 can be configured in a network for central control

The system includes a maintenece alert for detectors (dependant on using Telelfire's detectors) a function that required, until, now, analog addresable panel.

Walk test mode allows detector testing using only one technician, whilst diffrentiating between activations that are done for testing purposes and real alarms.

The system includes automatic alarm verifications feature to increase reliability, and time and date clock for logging system events. System log can be viewed via a PC and printed for the system investigation purposed.



Specification

Dimensions
370 / 290 / 90 mm
(W/H/D)

Operating Temperature Range
-10°C – +60°C
(14°F – 140°F)

Operating Voltage
230 Vac ±10%
50/60 Hz / 0.5A

24Vdc Output Current
1.5A