

TEP-4300

Extinguishing Panel

Designed especially for use in environments with irreplaceable and important items, the TEP-4300 Fire Extinguishing panel provides many advantages and convenience to users and installers with features such as programmable 5 zone capacity, user-friendly 128x64 LCD display, 4000 time-stamped event logs etc. Alternatively, the system can be connected to the cloud-based Mosaic platform (web, mobile) via LTE.



General Features

- Fully compliant with EN 12094-1, EN 54-2, EN 54-4
- 5 Fire Detection Zone
- 1 Extinguishing Output
- Multiple Solenoid and Actuator Support
- 6 Monitoring Input (Abort, Hold, Mode Select, Manual Release, Low Pressure, Flow Switch)
- 6 Relay Output (Fault, Fire, Local Fire, First Stage, Second Stage, Extract)
- 3 Sounder Output (2 for Fire, 1 for extinguishing)
- 4 Remote Input (Reset, Fault, Silence, Alarm)
- Detailed monitoring of Fire and Extinguishing processes via LCD
- MCP Alarm Detection Support
- Adjustable fire output delay times
- Adjustable extinguishing process times
- 90 different zone combinations
- Real Time Clock
- Multi-language Support
- TEM-4385 Terminator Support (Up to 2)
- TXM-4380 I/O Expander Module Support
- TXM-5474 LTE Module Support
- Time Stamped 4000 Log Memory
- 128*64 LCD Display
- 35 Led Indicator
- 3 user access level
- Export Logs, Import Configurations, Software Update (via USB)
- Teknim Mobile Application Support
- Teknim Mosaic Web Support

EN 12094-1

EN54-2

EN54-4

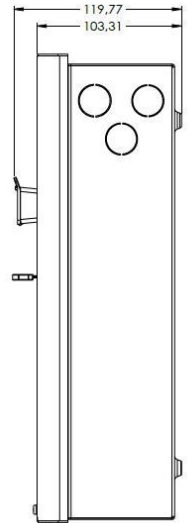
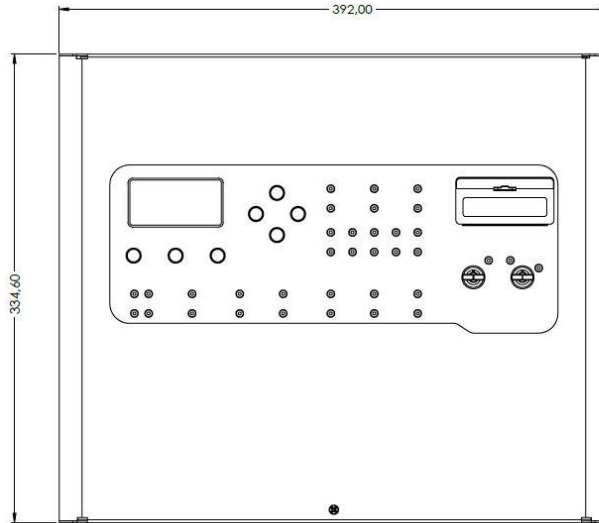
Optional Functions Provided

EN 54-2:

- 7.8 Output to fire alarm devices
- 7.11 Delays to outputs
- 7.13 Alarm counter
- 10. Test

EN 12094-1:

- 4.17 Delay of extinguishing signal
- 4.18 Signal representing the flow of extinguishing agent
- 4.19 Monitoring of the status of the components
- 4.20 Emergency hold device
- 4.21 Control of flooding time
- 4.23 Manual only mode
- 4.26 Triggering of equipment outside the system
- 4.27 Emergency abort device
- 4.30 Activation of alarm devices with different signals



Technical Specifications

TEP-4300	
POWER	
Internal Power Supply	24 Vdc nominal
Battery Type	2x 12 V 7 Ah
Battery Internal Resistance Fault	1.5 Ω (Ri max.)
Charger Temperature Compensation	YES
Earth Fault Monitoring	YES
Mains supply/battery charger monitoring	YES
I min.	130 mA
I max. a	600 mA
I max. b	3 A
ZONES	
Number of Zone	5
Max number of detectors per zone	32
End-of-line resistor	4k7 Ω , %5, ¼ W
SOUNDERS	
Output rating	18-27.6 Vdc
Number of sounder outputs	3
End-of-line resistor	4k7 Ω , %5, ¼ W
MONITORING INPUTS	
Number of monitoring inputs	6
End-of-line resistor	4k7 Ω , %5, ¼ W
REMOTE INPUTS	
Number of remote inputs	4
Activation condition	Short circuit
RELAYS	
Number of relays	6
Relay contact	30 Vdc, 2 A max.
EXTINGUISHING OUTPUT	
Extinguishing release	17.5-27.6 Vdc @ 1 A
Short circuit and open circuit monitoring	YES
End-of-line output	TEM-4385 Terminator
Release time delay	0-60 seconds
Release duration	1-300 seconds
Flooding time	60-1740 seconds
FUSES	
Battery fuse	30 Vdc, 5 A
Aux output fuse	30 Vdc, 500 mA
Sounder circuit fuse	30 Vdc, 300 mA
Mains supply fuse	30 Vdc, 5 A
Extinguishing output fuse	30 Vdc, 5 A
COMMUNICATION MODULES	
TXM-4380 I/O Expander Module TXM-5474 LTE Module	RS-485
ENVIRONMENTAL CONDITIONS	
IP Rating	IP30
Temperature range	-5 °C ~ +40 °C
Relative humidity	95% RH max.