TFP-1111

Compact Intelligent Addressable Fire Alarm Panel

TFP-1111 is a compact, intelligent, addressable fire alarm control panel designed in accordance with EN 54 standards for small and medium-sized fire detection and alarm systems. Supporting 1 addressable loop, 16 zones, and up to 130 addressable devices, TFP-1111 delivers reliable fire detection, flexible configuration, and advanced communication capabilities.

Supports Teknim Flashlink protocol and is compatible with a wide range of Teknim addressable detectors, sounders, manual call points, and input/output modules. With optional Ethernet, LTE, and TdNET network modules, TFP-1111 enables remote monitoring, alarm routing, cloud connectivity, and multi-panel networking.

Its user-friendly interface, 240×64 graphical LCD, rotary encoder, illuminated buttons, and multi-language support ensure ease of operation for both end users and service personnel. The compact and aesthetic design allows surface or flush mounting, making the panel suitable for residential, commercial, and light industrial applications.

Key Features

- EN 54-2, EN 54-4 and EN 54-21 compliant
- 1 addressable loop, up to 130 devices
- 16 programmable fire zones
- Teknim Flashlink loop communication protocol
- 2 programmable siren outputs (monitored)
- 3 relay outputs (1 fault + 2 programmable)
- 2 supervised inputs (supports conventional detectors and MCPs)
- Alarm dependency functions (general & zone-based)
- Configurable output delays (general and zonal)
- Test and disable modes for zones, devices, and outputs
- 4095 event log with date & time stamping
- Built-in BLE for local monitoring (Teknim Assistant)
- USB connection for configuration and monitoring
- Optional LTE (TXM-5474) and Ethernet (TXM-5271) communication
- Optional TdNET networking (up to 16 panels)
- Teknim Mosaic Cloud & ARC connectivity
- SMS notification support (up to 8 users – via LTE)
- Multi-language support with replaceable language labels
- Internal cabinet illumination for easy installation
- Optional flush mounting accessory (TFA-0111)

Optional Modules & Accessories		
Product Code	**Product Name**	**Description**
TFC-1209	TdNET Network Module	Enables networking of multiple TFP-1111 panels via TdNET. Supports up to 16 panels in one network.
TXM-5474	LTE Communication Module	Provides cellular communication. Supports ARC connection, Teknim Mosaic Cloud connectivity, and SMS notifications.
TXM-5271	Ethernet Communication Module	Provides TCP/IP communication via LAN. Used for ARC and Teknim Mosaic Cloud connection.
TFA-0111	Flush Mounting Bezel	Allows recessed (flush) wall mounting of the panel for improved aesthetics.

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Fire and Security Technologies

Technical Specifications

TFP-1111				
SUPPLY & POWER				
Voltage	230 / 115 VAC (+%10 / -%15)			
Frequency	50 / 60 Hz (±%5)			
Mains Input Fuse	3 A			
Output Voltage	21 – 29 Vdc (±%2) (24 Vdc nominal)			
Output Fuse	30 Vdc, 5 A			
Cable Type	3 x 1,5mm² (Phase, Neutral, Ground)			
Backup Power Supply	2 x 12V, 7Ah dry Type leak-proof (Recommended; Yuasa NP7-12)			
Backup Power Supply Cut Off Voltage	20 Vdc			
Backup Power Supply Fuse	30 Vdc, 5 A			
Backup Power Supply Maximum Internal Resistance	2.2 ohm (Ri max.)			
Charging Voltage	27,6 Vdc @20°C, temperature compensation			
Charging Current	500 mA			
I min.	150 mA			
I max. a	1 A			
I max. b	1.5 A			
LOOP				
Number of Device	130			
Number of Zones	16			
Output Voltage	36V (Range 18VDC – 36VDC)			
Output Current	500 mA			
SOUNDERS				
Sounder Outputs	2			
Output Voltage	18-27.6 Vdc			
Sounder Fuse	500mA per siren			
End of Line Resistance	4k7 ohm, %1, 1/4W			
SUPERVISED INPUTS				
Number of Supervised Inputs	2			
Output Voltage	17.5-27.6 Vdc			
Output Current	54mA, max(short circuit)			
MCP Detection Resistance	50-250 ohm			
End of Line Resistance	4k7 ohm, %1, 1/4W			
RELAYS				
Number of Relays	3 (1 General Fault, 2 Programmable)			
Relay Contacts	30 VDC, 2A max			
AUXILIARY OUTPUT (AUX)				
Aux Output	17.5-27.6 VDC			
Aux Fuse	30 VDC, 500 mA			
REPEATER				
Repeater Output	17.5-27.6 VDC			
Repeater Fuse	30VDC, 500mA			
COMMUNICATION				
TXM-5271 Ethernet (Optional)	TXM-5474 LTE (Optional)	TFC-1209 tdNET (Optional)	BLE (standard)	USB (standard)
CONNECTIVITY				
Teknim Cloud	via TXM-5271 or TXM-5474 (Monitoring)			
Teknim Local	via USB (Monitoring/Configuration)			
Teknim Asistant	via BLE (Monitoring)			
SMS	via TXM-5474 (up to 8 Users)			
ARC (Alarm Receiving Centre)	via TXM-5271 or TXM-5474			
ENVIRONMENTAL CONDITIONS				
IP Class	IP30			
Environmental Class	Class A			
Temperature	-5°C ~ +40°C			
Humidity	95% RH (max)			
Dimensions	376 x 267 x 113 mm			

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