

TFP-1214

4 LOOP ANALOG ADDRESSABLE FIRE ALARM PANEL,

EN-54-2 EN-54-4



TFP-1214 Series panel is a consumer and technician friendly fire Alarm panel with analog address. Designed for Harsh Environments. Each Teknim Panel can flawlessly communicate between detectors and end-units at long distanced using FLASHLINK loop communication protocol developed by Teknim engineers. It also enables networking up to 16 panels via TdNET protocol and TFC-1208 network module developed genuinely. Thus, it can be operated as a single panel constituted of 16 panels and 8.128 end units.

LCD graphic display on TFP-1214 Panels enables easy and quick viewing, understanding, interruption of errors and warnings and overall system use. Entire configuration and system design can be easily performed from the panel or using any computer via TFY-1000 configuration software supplied with the panel. Furthermore, all panel settings

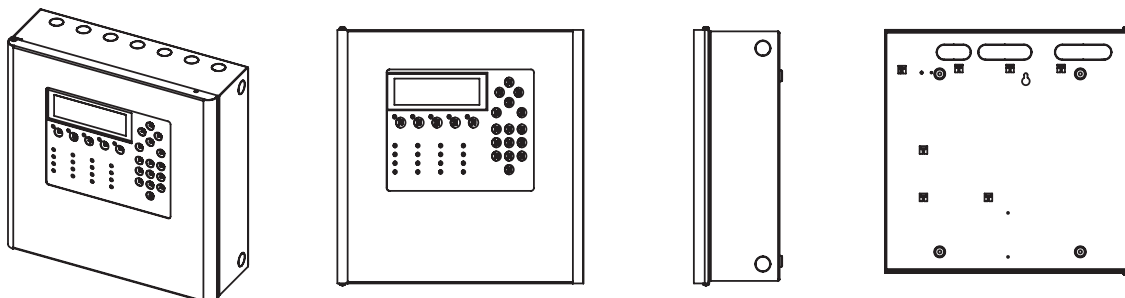
can be changed over internet using TCP/IP connection included in standard panel structure.

TFP-12XX series panels are designed in accordance with European Community standards.



GENERAL SPECIFICATIONS

- EN 54-2 and EN 54-4 Certified
- Technician and user friendly; easy installation, programming and operation specifications
- 4 Loop capacity, (Extension to 2 Loops via TFC-1201 Loop Board)
- Cable distance up to 2,5 Km per loop
- 127 device addressing capacity on each loop
- 72 zones that can be individually programmed
- Up to 8.128 addressed devices and 1.152 zones by network structure (Using optional TFC-1208 Network module)
- Easy to read, 240*64 wide LCD graphic display and user-friendly interface
- Display screen customizable with company logo, contact information, images, etc.
- Network structure that can be extended up to 16 panels and operate as a single system via RS-485 based TdNET communication protocol developed specifically by Teknim engineers (using optional TFC-1208 Network Module)
- Same level of accessibility and command sending to all panels via peer-to-peer communication network
- Uninterrupted and reliable data communication between loop card and end-units over power line thanks to FlashLink communication protocol developed by Teknim
- Advanced panel programming and user-friendly system configuration via TFY-1000 software installed on a computer to be connected to panel over TCP/IP Ethernet (LAN/WAN).
- Graphic monitoring of 1 panel or a networked up to 16 panels as a single system on a map as well as managing some of the features such as evacuation, reset, siren/buzzer silence via TFY-2000 Monitoring Software developed by Teknim software engineers.
- Remote panel monitoring and management via TFP-1240/TFP-1245 REPEATER PANEL connection
- Storing up to 12.000 events of alarms, errors and warnings with time-stamp on the memory.
- Exact identification of possible disconnection points on the line via bi-directional, smart loop control feature.
- In case a device on a loop is removed and reconnected on the line, missing device warning is quickly and automatically reset without further action on the panel.
- 2x independent and delay - monitored siren output. Connection up to 50 sirens without external supply. (If used with Teknim TFS-3192 siren).
- Detailed viewing of voltage/current information of panel and loop on the graphic LCD display of panel
- Night/day operation mode that can be programmed automatically or by user for alarm verification
- Siren delay time individually programmable for each zone
- Automatic Alarm of devices connected to the system, informing and prompting user via LCD screen, enabling easy inclusion of devices into the system
- Supports Class A and Class B connections, thus new devices can be easily included in the loop via star connection in mandatory cases required for the Project
- Multiple language support



TFP-1214 4 LOOP ANALOG ADDRESSABLE FIRE ALARM PANEL TECHNICAL SPECIFICATIONS

General

| | |
|------------------------|--|
| Standard | EN54-2/4 |
| Ethernet (TCP/IP) | YES |
| Multi Language Support | Turkish – English |
| Display | 240x64 Graphic Screen |
| Programming | From the panel and via Teknim Configuration Software |

Loop Information

| | |
|----------------------------|--|
| Loops | 4 |
| Maximum Loop | 4 |
| Number of Devices per Loop | 127 |
| Number of Zones | 72 |
| Loop Voltage | 32V |
| Cable Type and Distance | J-Y(S)tY...Lg 1000 mt 0,8mm cross section (@250 mA) 2000 mt 0,8mm cross section (@75 mA) 2000 mt 1,5mm ² cross section (@250 mA) 2500 mt 2mm ² cross section (@250 mA) |

Network

| | |
|----------------|-----------------------------------|
| TdNET Protocol | Yes |
| Maximum Panel | 16 (With TFC-1208 Network Module) |

Mechanics

| | |
|-------------------------|----------------------------|
| Dimensions (mm) | 385 x 380 x 130 mm |
| Body material and color | Metal - Light Grey and Red |
| Weight | 6,5Kg (Without Battery) |

Environmental

| | |
|-----------------------|--------------|
| Operating Temperature | -10°C ~ 55°C |
| Humidity | 95% RH |
| Protection Class | IP30 |

Power

| | |
|---------------------|--------------------------------|
| Operating Voltage | 230 / 110 VAC (+10% / -15%) |
| Operating Frequency | 50 / 60 Hz (±5%) |
| Power Fuse | 6A |
| Power Cable Type | 3 x 1,5mm ² |
| Backup Battery | 2 x 12V, 7Ah 2 x 12V, 12Ah |
| I _{min} | 130 mA |
| I _{maxA} | 1A |
| I _{maxB} | 1,5A |

Outputs

| | |
|-----------------------------------|-------------------------------|
| Number of Monitored Siren Outputs | 2 |
| Siren Fuse | 500 mA |
| Siren EOL Resistance | 4K7Ω |
| General Error Relay | 1X NC/NO Dry Contact, 30V 2Ah |
| Fire Relay | 1X NC/NO Dry Contact, 30V 2Ah |
| AUX | 1X 24VDC |
| AUX Fuse | 500mA |