TFM-1281, TFM-1282, TFM-1287

Base With Buzzer, Base With Flasher, Base With Buzzer and Flasher
Installation Manual

Release Date: 05/01/2021
Rev:01

Warnings

General

- Read this manual with care before operating the device and keep it for further reference.
- Comply with all warnings and measures provided in the manual. Follow all respective operation and usage instructions.
- Keep the devices away from water and humidity.

Product Code	Name
TFM-1281	Base With Buzzer
TFM-1282	Base With Flasher
TFM-1287	Base With Buzzer and Flasher

Ambient Conditions

Do not operate the device under extreme temperature conditions that fall outside the following values.
Temperature: Between -10°C and +70°C
Relative Humidity: 95% at +40°C

Service

Do not attempt to repair the device on your own, you may be exposed to electric shock in case you open the device housing.
Contact your dealer or authorized service in case of a failure. Technical interventions to the device must be carried out by qualified personel of authorized service.

Warning: Do not attempt to take the card out of its plastic protection. It is sealed solely for your safety. Users must avoid intervention.

Failures That Require Service Intervention

Contact your authorized service or dealer in case of a failure or in following cases.

- ✓ If the power line or plug is damaged,
- ✓ If any liquid has leaked or a substance has fallen into the device,
- ✓ If the device is exposed to water or rain,
- ✓ If the device is dropped or the housing is damaged,
- ✓ If there is significant performance change in the device,
- ✓ If the device is not operating normally according to the operating instructions in the user manual

Call the service since erroneous operations may cause further failures.

What You Can Do On Your Own

Do not attempt to repair the device on your own since you may be exposed to electric shock in case you open the device housing. Contact your dealer or authorized service in case of a failure. Technical interventions to the device must be carried out by qualified personel of authorized service. The device must be cleaned with a dry cloth. No chemical must be used for cleaning purposes.

Handling and Transportation

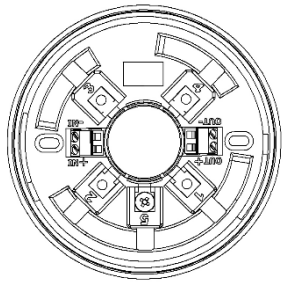
The device must be handled with care in manner that it does not get exposed to impacts and liquid influx. The damages that may occur during improper handling are out of guarantee.

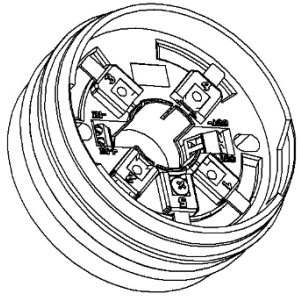
Human and Environment Health

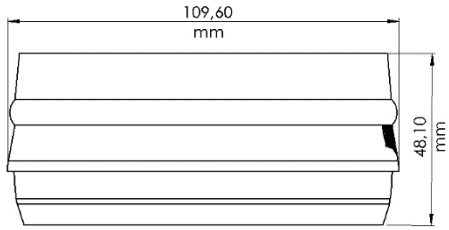
This device does not contain any chemical or biological substance that may harm human health.

Technical Specifications

	Buzzer	Flasher
Loop Voltage Range	15V (min) – 32V (max)	
Average Current Consumption (Normal) @24V	12uA	
Average Current Consumption (Active) @24V	1.2mA	2.4mA
Operating Temperature Range	-10°C ~ 70°C	
Humidity	%95 RH (max)	
Size (ØXH)	109,5mmX48mm	
Weight	120gr(max)	
Audio Output (db@1m)	75dB	-







Installation

TFM-128x bases can be used with Teknim Intelligent Adressable detectors TFD-1250, TFD-1260, TFD-1270, TFD-1251, TFD-1261, TFD-1271. Their main purposes are performing audible and visual warning functions.

Addressing

Base modules and their types do not occupy any addressed. Therefore, they can be dismantled and used in substitution for each other. These structures are not used in conjunction with TFA-0120 detector bases.

Principal connection diagram and simultaneous operation table

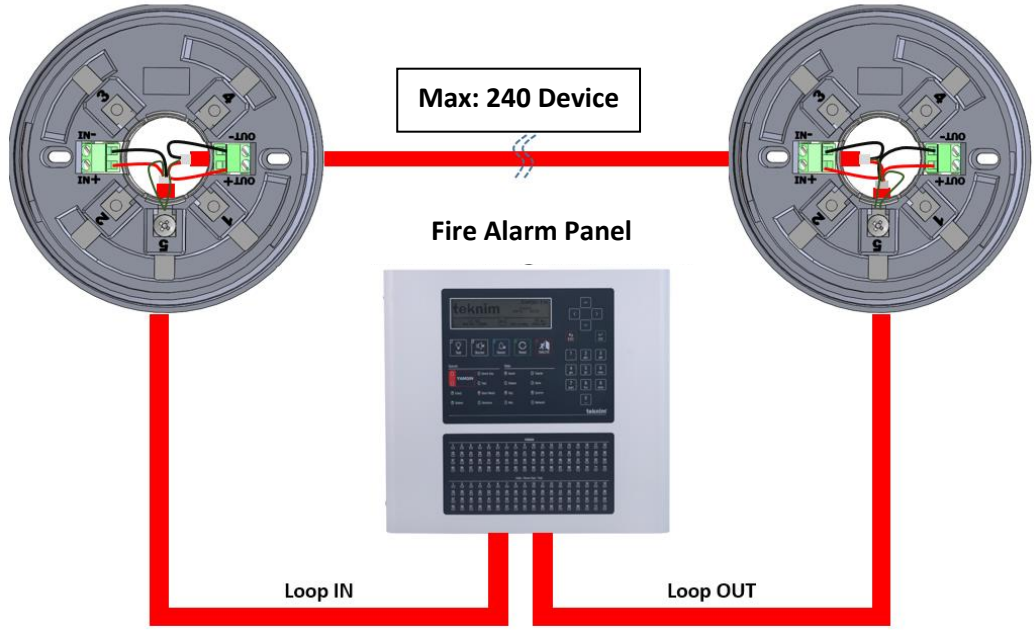
All in-base modules are included in the system by being connected according to the following principal diagram. It is not required for all modules on the loop line to use the same type, whereas different types may be used in combinations according to needs. Since the current to be drawn by each module type in case of an alarm is different and they are fed from the loop line, the current to be drawn from the loop line in active mode must be calculated. Otherwise, communication failures may be observed on the loop line. The following "Addressable Panel Loop Information" table can be referred to for the calculation of current to be drawn from the loop line at once.

Addresable Panel Loop Information	
Cable type	J-Y(St)Y…Lg (Recommended)
Number of terminals	240 pieces (max)
Output voltage	32 VDC
Current values according to cable lengths	1000m 0,8mm² cross-section (@240 mA) 2000m 0,8mm² cross-section (@75 mA) 2000m 1,5mm² cross-section (@240 mA) 2500m 2.0mm² cross-section (@240 mA)

Teknim intelligent addressable fire detection panels are arranged in a manner to allow the alarm leds and remote indicator of maximum 30 loop to operate simultaneously. This number can be reduced from the panel. Total current value in alarm status according to the in-base module type used must be calculated and that number must be reduced from the panel.

Product Code	Product Name	Current Consumption in case of an alarm
TFM-1281	Base w/ buzzer	2mA.
TFM-1282	Base w/ flasher	4mA.
TFM-1287	Base w/ buzzer and flasher	6mA.

Warning: When calculating the current drawn from loop line, the current drawn by other loop devices connected to the line in active state must be taken into consideration in the calculation of loop line.



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*In compliance with AEEE regulations. This product is manufactured from recyclable and reusable high quality parts and materials. Therefore, do not dispose of the product together with domestic or other wastes at the end of its service lifetime. Take it to a drop-off point for the recycling of electrical and electronic devices.

*Lifetime of this product specified and announced in the list attached to the After Sales Services Regulations published in the Official Gazette No 29029 dated 13/6/2014 is 5 years.

*The consumer may apply to the Consumer Arbitration Board or Consumer Court of the place of residance or of the consumer transactions in case of disputes arising from exercising the rights granted by the guarantee.