Finder

CONVENTIONAL FIRE ALARM SYSTEM



Conventional Optical Smoke Detector FF O 1000

- ► ASIC and COB technology
- Auto Calibration
- Double dust pool to delay dirt blockage
- ▶ 360° viewable multi-color status LED
- ▶ 3 Alarm Level
- ► Made in Italy
- LPCB certified



LPCB

Conventional Heat Detector FF T 1000

- ▶ ASIC and COB technology
- Auto Calibration
- ▶ 360° viewable multi-color status LED
- Extended temperature range
- Made in Italy
- ▶ LPCB certified





Conventional Call Point FF VB 100

- Maximum current of 3A
- Maximum voltage of 50V
- Can be re-installed after used with an unbreakable structure



- ▶ 4 and 8 zone options
- Modern design with microprocessor base
- Supports 32 conventional smoke and or heat detectors for each zone
- ▶ Internal battery for continuous protection
- ▶ Fault and alarm indications for each fire zone



LPCB

Conventional Heat Detector FF OT 1000

- ▶ ASIC and COB technology
- ▶ Auto Calibration
- Double dust pool to delay dirt blockage
- ▶ 360° viewable multi-color status LED
- Extended temperature range
- Made in Italy



LPCB

Ray Type Smoke Detector FF BD 1000

- ► Wide coverage
- ▶ 5-100 m working range.
- Detector sensitivity is adjustable
- Cabling saves
- The receiver and transmitter are mounted in a receptacle
- ▶ 9.5-28V / 8-30mA
- LPCB certified



Conventional Optical Smoke Detector FF O 700

- ▶ 20-30V DC
- ► ABS ivory resistant casing
- ▶ 360° viewable multi-color status LED
- LPCB certified



Air Sampling Smoke Detector TITANUS

- ▶ Precise HPLC light source technology
- ▶ LOGIC SENS fire detection recognition
- ▶ Comply with EN 54-20 standards
- Plug-and-play time-saving
- ▶ 3 Levels of alarm thresholds



Conventional Heat Detector FF T 700

- ▶ 20-30V DC
- ABS ivory resistant casing
- ▶ 360° viewable multi-color status LED
- ▶ LPCB certified





Conventional Fire Panel CF4, CF8, CF12, CF16

- ▶ 2/4/8/12/16 zone options
- LED Screen
- ▶ LED indicators
- ▶ Support up to 20 detectors
- ▶ 2 output relays

www.**finder**.com.tr

Finder

ADDRESSABLE FIRE ALARM SYSTEM



LPCB

Addressable Optical Smoke Detector **FF O 200**

- ▶ Stable operation with advanced digital signal processing
- ▶ Intelligent addressable structure
- Automatic pollution compensation
- Short circuit isolator
- Double dust pool to delay dirt blockage
- ▶ 360° viewable Three colored status LED
- ▶ Made in Italy
- LPCB certified



LPCB

Intelligent Addressable Heat Detector **FF T 200**

- Stable operation with advanced digital signal processing
- Intelligent addressable structure
- Automatic pollution compensation
- Short circuit isolator
- Double dust pool to delay dirt blockage
- ▶ 360° viewable Three colored status LED
- Extended temperature range
- ▶ Made in Italy
- LPCB certified



LPCB)

Addressable Optical and Heat Detector **FF OT 200**

- Stable operation with advanced digital signal processing
- Intelligent addressable structure
- Automatic pollution compensation
- ▶ Short circuit isolator
- Double dust pool to delay dirt blockage.
- ▶ 360° viewable Three colored status LED
- Extended temperature range
- ▶ Made in Italy
- LPCB certified



LPCB

Addressable Electronic Sounder FF ESF102 / FF LS200

- ▶ Tamper-proof with lockable socket
- ▶ Indoor and outdoor use with two different sockets
- Maximum performance with high power LED
- Maximum performance with powerful
- microprocessor Red and white LED options



LPCB

Addressable Call Point FF-VB200

- ▶ 12-24V DC 41mA
- ▶ 109 dB sound level
- ▶ 150 flashes per minute
- ▶ Made in UK Intertek Certified



VdS



- ▶ 1 output relay
- Addressable structure
 Self-insulated
- Advanced signal processing
- Full digital protocol
- Boxed and unboxed model
- Made in Italv
- VDS certified



Input / Output Module **FF MIC 200**

- 1 output / 1 input
 Addressable structure
- Self-insulated
- Advanced signal processing
 Full digital protocol
- 2-color status programmable LED
- Boxed and unboxed model
- Made in Italy
- VDS certified





VdS

VdS

Output Module FF MC 200

- ▶ 1 output relay (2A / 30V DC)
- Addressable structure
- Self-insulated
- Advanced signal processing
 Full digital protocol
- ▶ 2-color status programmable LED
- Boxed and unboxed model
- Made in Italy
- VDS certified







VdS

Zone Module **FF MZ 200**

Made in Italy ▶ VDS certified

- ▶ 1 zone capacity
- Addressable structure
- ▶ Short circuit isolator
- Advanced signal processing
- ▶ Full digital protocol
 - 2-color status programmable LED

2-color status programmable LED

Boxed and unboxed model

- Boxed and unboxed model
- ▶ Made in Italy





Finder

FIRE ALARM PANELS



Fire Alarm Control Panel FF SYN1L

- ▶ 1 loop version
- ▶ 2 programmable sounder outputs
- ▶ 3 programmable relays
- Up to 64 panels
- ▶ EN54 / BSI certified
- ▶ 240 addressable loop structure
- > 2000m loop length
- ▶ Loop structure with addressable sounder
- Made in UK



Fire Alarm Control Panel FF SYN2L

- ▶ 2 loop version
- ▶ 2 programmable sounder outputs
- ▶ 3 programmable relays
- ▶ Up to 64 panels
- ▶ EN54 / BSI certified
- ▶ 240 addressable loop structure
- ▶ 2000m loop length
- ▶ Loop structure with addressable sounder
- ▶ Made in UK



Thermal Printer K768 SYN

- ▶ 58mm thermal paper roll
- > 230v AC supply voltage
- ▶ 2 x 12V batteries
- ▶ Made in UK



Fire Alarm Control Panel FF TAK-2L, FF TAK-4L FF TAK-6L, FF TAK-8L

- ▶ EN54-2 and EN54-4 compliant
- ▶ 7" touch color screen
- ▶ 4 programmable sounder outputs
- ▶ 10000 event registration
- > 2-4-6-8 loop capacity
- Programmable fire and fault relays
- ▶ Made in UK



Fire Alarm Control Panel FF TAK-10L, FF TAK-12L FF TAK-14L, FF TAK-16L

- ▶ EN54-2 and EN54-4 compliant
- ▶ 7" touch color screen
- ▶ 4 programmable sounder outputs
- ▶ 10000 event registration
- ▶ 10-12-14-16 loop capacity
- Programmable fire and fault relays
- ▶ Made in UK



Communication Card FF-TAK-LOOP-HOC

- ▶ EN54-2 and EN54-4 compliant
- ▶ Hochiki protocol loop card
- ▶ 2 loop x 126 addressable



Sounder Card FF S546

- Fault and Operating LED indicators
- > 2v output contact
- ▶ Remote connection through RS485
- ▶ Communication with panel up to 1200m
- ▶ With RS485 communication protocol, 32
- modules can be connected to a panel ▶ Made in UK



Communication Card FF-TAK-LOOP-APO

- ▶ EN54-2 and EN54-4 compliant
- Hochiki protocol loop card
- ▶ 2 loop x 127 addressable

LPCB

Repeater Panel FF TAK-REP-S

- ▶ 7" touch screen
- Easy monitoring and intervention
- ▶ Flexible Configuration
- ▶ Made in UK

▶ High protocol integration Fully secured against short circuits

▶ Supports up to 64 panels

- Easy monitoring and intervention
- Flexible configuration

Communication Card

▶ Made in UK

FF S555







FF SYN1L INTELLIGENT FİRE ALARM PANEL





EN54-4

EN54-2



FEATURES

- ▶ 1 loop version
- ▶ 0,16,48 and 96 zones indicators
- > 2 programmable sounder output
- ▶ 4A power supply in accordance with EN54/4
- Large graphical display
- Help and alarm warning screens
- > 2 programmable function keys
- 3 programmable front panel LED
- Printer (optional)

TECHNICAL SPECIFICATIONS

Product Code FF SYN1L Screen 260×64 LCD 2 Siren Circuit 1A Fire Contact 1A 30V DC System 5A Home Network 20mm 3A Operating Temp.. -5°C +50°C %95 Humidity Main Supply Volt. 230 VAC

ORDER DETAILS

- ▶ FF SYN1L Intelligent Fire Alarm Panel
- ▶ FF SYN2L Intelligent Fire Alarm Panel
- FF SYN4L Intelligent Fire Alarm Panel
- ▶ FF SYN1LN Intelligent Fire Alarm Panel



FF SYN4L INTELLIGENT FIRE ALARM PANEL



FEATURES

- 4 loop version
- ▶ 0, 16, 48 and 96 zone indicator options
- 4 programmable sounder outputs
- ▶ 4A feeding
- Full graphic display
- Help and alarm alert screens
- > 2 programmable function keys
- ▶ 3 programmable front panel LEDs
- Printer (optional)
- Possibility to expand up to 64 panels



TECHNICAL SPECIFICATIONS

Display 2 Sounder Circuit Fire Contact System Insurance Home Network Insurance Environment Humidity Feed Insurance Working Standard 260x64px Graphic LCD 1A 1A 30V DC 5A 20mm 3A -5°C +50°C %95 RH 230V AC EN 54-2 EN 54-4

ORDER DETAILS

▶ FF SYN4L Intelligent Fire Alarm Panel



FF SYN2L INTELLIGENT FİRE ALARM PANEL





EN54-4

EN54-2



FEATURES

- 2 loop version
- ▶ 0,16,48 and 96 zones indicators
- 2 programmable sounder output
- Extending up to 64 panels/repeats
- ▶ 4A power supply in accordance with EN54/4
- Large graphical display
- Help and alarm warning screens
- > 2 programmable function keys
- > 3 programmable front panel LED
- Printer (optional)

TECHNICAL SPECIFICATIONS

Product Code FF SYN1LN Screen 260×64 LCD 2 Siren Circuit 1A Fire Contact 1A 30V DC System 5A Home Network 20mm 3A Operating Temp.. -5°C +50°C %95 Humidity Main Supply Volt. 230 VAC

ORDER DETAILS

- ▶ FF SYN2L Intelligent Fire Alarm Panel
- ▶ FF SYN4L Intelligent Fire Alarm Panel
- FF SYN1L Intelligent Fire Alarm Panel
- ▶ FF SYN1LN Intelligent Fire Alarm Panel
- FF K555 Network Card



FF BD 1000 BEAM SMOKE DETECTOR







FEATURES

- ▶ Working range with reflectors unit 4xE39-R8 50 to 100m,
- Working range with reflector E39-R8 5 to 50m, Sensitivity thresholds - 18%, 30%, 54%, - 1, Laser pointer supply - 6F22 9V battery

TECHNICAL SPECIFICATIONS

- Type: Conventional Smoke
- Operational Voltage: 10,5 VDC 24 VDC
- Quiescent current consumption: Max. detector current consumption from conventional line 2,2 mA or 5 m

ORDER DETAILS

FF BD 1000 - 50 Max 50 m
 FF BD 1000 - 100 Max 100 m



FF 01000 CONVENTIONAL HEAT DETECOTR







EN54-7



FEATURES

- Couples are more resistant to contamination by dust trap
- Detection of lights from the outside with the mechanical structure of the cell more resistant to false alarms caused by
- From the outside with the mechanical structure of the detection cell is not affected by small creatures
- With the introduction of all the aspects of the detection cell to obtain maximum detection sensitivity
- Operation of the detector and alarm status can be seen from all directions
- Easily and economically with the magnet will be tested

ORDER DETAILS

- FF O1000 Conventional Heat Detecotr
- ▶ FF BS200 BB Detector Buzzer Base

TECHNICAL SPECIFICATIONS

Product Code Current (Standby) Current (Alarm) Operating Voltage Humidity Operating Temp. Storage Temp. FF O1000 70µA 50mA 10-30VDC %95RH -30°C +70°C -40°C +70°C

Fire & Gas Alarm System • CCTV System • PAVA System • Emergency Lighting System • Access Control System • Integration System • Reasure



FF T200 INTELLIGENT ADDRESSED THERMAL DETECTOR









FEATURES

- Provide high reliability and error detection
- Short-circuit isolators in each device
- Addressable by a special tool
- Auto-addressing capability (Control Panel-feature)
- Build-in diagnostics, Hardware/Software drift compensation
- ▶ 360° visible bicolour LED driven by the control panel
- Independent remote output

TECHNICAL SPECIFICATIONS

Current cons.(Standby) Current cons.(Led@24v) Operating voltage Humidity Operating temp. Storage temp. Protection Class 90µA 6mA 14-50VDC %95RH -30°C+70°C -40°C+70°C IP 54

ORDER DETAILS

▶ FF T200 Intelligent Addressed Thermal Detector



FF T1000 CONVENTIONAL THERMAL DETECTOR





EN54-5



FEATURES

- Double Dust Trap: double protection from the detection chamber\'s dust contamination
- Light Baffle: protection from ambient Light
 Continuous Screen with precisely
- Continuous Screen with precisely calculated apertures: reliable protection from small insects
- Symmetrical Detection Chamber: optimal smoke sensitivity from all directions
- Adaptive signal processing: elimination of false alarms
- A LED indicator provides a 360 degrees cone of vision eliminating orientation problems

ORDER DETAILS

FF T1000 Conventional Thermal Detector

TECHNICAL SPECIFICATIONS

Current cons.(Standby)33Current cons.(Alarm)50Operating voltage10Humidity%Operating temp.-3Storage temp.-4Protection ClassIP

35µA 50mA 10-30VDC %95RH -30°C+70°C -40°C+70°C IP 54



FF O200L INTELLIGENT SMOKE DETECTOR









TECHNICAL SPECIFICATIONS

CE

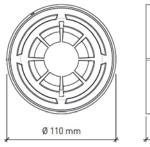
Current Consumption (Standby)90μACurrent Consumption (Alarm)6mAOperating Voltage15 - 40∨ DCHumidity%95 RHEnvironment-30°C + 70°CStorage Medium-40°C + 70°CStandardEN 54-7

FEATURES

- Multiple fully approved sensitivity settings
- Auto addressing capability on compatible fire control panels
- Utilises fully digital Finder protocol with high noise rejection
- Alarm LED providing 360deg cone of visibility
- Dust Restrict Chamber (DRC) technology offering advanced immunity to airborne contaminants

ORDER DETAILS

▶ FF O200L Intelligent Addressable Smoke Detector







FF T200L INTELLIGENT HEAT DETECTOR







CE EN54-7

7 EN54-17

FEATURES

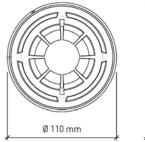
- Multiple fully approved sensitivity settings
- Utilises fully digital Finder protocol with high noise rejection
- Alarm LED providing 360deg cone of visibility
- Open style mounting base offers easy wiring and low pressure locking

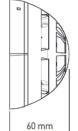


Current Consumption (Standby)90μACurrent Consumption (Alarm)6mAOperating Voltage15 - 40∨ DCHumidity%95 RHEnvironment-30°C + 70°CStorage Medium-40°C + 70°CStandardEN 54-7EN54-17

ORDER DETAILS

▶ FF T200L Intelligent Addressable Heat Detector







NYS LPG/LNG GAS DETECTOR









TECHNICAL SPECIFICATIONS

Operating Voltage Power Consumption Operating Temp. Storage Temp. Humidity 220 VAC 4,5 W -20°C+50°C -40°C+70°C %80

FEATURES

- Flammable and Explositive gases (LPG/LNG)
- Relay output and 85 dB alarm
- ▶ IP 43 protection class
- Aesthetic for ceiling and wall mounting
- ▶ 3 Led indicators (active-alarm-fault)
- Sensor life under normal conditions 10 years
- Natural gas APS %5, LPG %2.1
- Made in Turkey
- Manufactured in accordance with TSE EN-50194

ORDER DETAILS

NYS Lpg/Lng Gas Detector



FF MC200 INTELLIGENT ADDRESSED OUTPUT MODULE









FEATURES

- Provides high reliability and fault finding
- Self-short-circuit isolator
- 1 output contact
- Full digital protocol
- Auto-addressable (Control Panel-supported)
- Line monitoring (27 Kohm)
- Digital double address control

TECHNICAL SPECIFICATIONS

Product Code Current (Standby) Current (LED@24v) Operating Voltage Switching Relay Humidity Operating Temp. Storage Temp. Protection Class FF MC200 120µA 6mA 15-40VDC 2A @ 30VDC %95RH -30°C +70°C -40°C +70°C IP 40

ORDER DETAILS

▶ FF MC200 Intelligent Addressed Output Module



FF MIC200 INTELLİGENT ADDRESSED INPUT/OUTPUT MODULE





EN54-18 EN54-17



FEATURES

- Designed in accordance with EN-18
- Provides high reliability and fault finding
- Self-short-circuit isolator
- ▶ 6 input, 2 output contact
- Full digital protocol
- > Auto-addressable (Control Panel-supported)
- Line monitoring (27 Kohm)
- ▶ R&D Password-protected
- Digital double address control

TECHNICAL SPECIFICATIONS

Product Code Current (Standby) Current (LED@24v) Operating Voltage Switching Relay Humidity Operating Temp. Storage Temp. Protection Class FF MIC200 120µA 6mA 15-40VDC 2A @ 30VDC %95RH -30°C +70°C -40°C +70°C IP 40

ORDER DETAILS

▶ FF MIC200 Intelligent Addressed Input/Output Module



FF MI200 INTELLİGENT ADDRESSED OUTPUT MODULE







EN54-17 EN54-18

VdS

FEATURES

- Provides high reliability and fault finding
- Self-short-circuit isolator
- 1 output contact
- Full digital protocol
- > Auto-addressable (Control Panel-supported)
- Line monitoring (27 Kohm)
- Digital double address control

TECHNICAL SPECIFICATIONS

Product Code Current (Standby) Current (LED@24v) Operating Voltage Humidity Operating Temp. Storage Temp. **Protect Class**

FF MI200 120µA 6mA 15-40VDC %95RH -30°C +70°C -40°C +70°C IP 40

ORDER DETAILS

▶ FF MI200 Intelligent Addressed Output Module



FF MZ200 INTELLIGENT ADDRESSED ZONE MODULE







EN54-17

FEATURES

- Provides high reliability and fault finding
- Self-short-circuit isolator
- 1 zone output contact
- Full digital protocol
- > Auto-addressable (Control Panel-supported)
- Line Monitoring (27Kohm)
- Digital double address control

TECHNICAL SPECIFICATIONS

Current (Standby) Current (LED@24v) Operating Voltage Switching Relay Humidity Operating Temp. Storage Temp. Protection Class 500µA 60mA 15-40VDC 2A @ 30VDC %95RH -30°C+70°C -40°C+70°C IP 40

ORDER DETAILS

▶ FF MZ200 Intelligent Addressed Zone Module



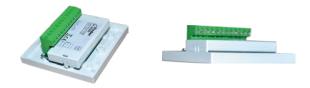
FF MC220 INTELLIGENT RELAY MODULE



Provides high reliability and fault monitoring

> Automatic addressable (with Control Panel)

Digital double address control





EN54-17 EN54-18

TECHNICAL SPECIFICATIONS

CE

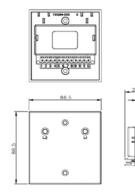
| Current Consumption (Standby) | 120µA |
|-------------------------------|-------------|
| Consumption (LED @ 24v) | 6mA |
| Operating Voltage | 15-40v DC |
| Relay Switching | 2A @ 30v DC |
| Humidity | %95RH |
| Environment | -30°C+70°C |
| Storage Medium | -40°C+70°C |
| Standard | EN 54-18 |
| | EN 54-17 |

ORDER DETAILS

FEATURES

Short circuit isolator
1 C output contact
Full digital protocol

▶ FF MC220 Intelligent Relay Module



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FF VB200 INTELLIGENT ADDRESSED FIRE ALARM CALL POINT





EN54-17

EN54-11



FEATURES

- Surface and flush mounted
- Suitable for interior and dry environments
- Self-short-circuit isolator
- Operating, fault and status indicator LED
- Easy installation after alarm
- Advanced digital signal processing and stable operation

TECHNICAL SPECIFICATIONS

Operating Voltage15-40VDCOperating Current70µAHumidity%95RHOperating Temp.-10°C+65°CStorage Temp.-40°C+70°CProtection ClassIP 40

ORDER DETAILS

▶ FF VB200 Intelligent Addressed Fire Alarm Call Point



FF ESF101 ELECTRONIC SOUNDER AND BEACON





(€ EN54-3 Ďedal

FEATURES

- Aesthetic design
- Lockable base
- Shallow and deep base options
- Maximum performans with 12 LEDs
- Maximum performans with special lens
- Maximum performans with featured microprocessor
- Red/white LED option
- ▶ 4 different tones
- Red/white body options
- ▶ 0,5Hz and 1Hz options
- Fire resistant housing

TECHNICAL SPECIFICATIONS

Voltage Range Alarm Current @24V DC Sounder: Sound Output Number of tones Frequency Range Beacon: Flash Rate Flash Color Environmental: Humidity Temperature Casing IP Rating 24V DC <30,1mA

98dB 4 600-2800Hz

1Hz Red

5% - 95% -10°C ~ +55°C ABS IP42/IP65 ability

ORDER DETAILS

- ▶ FF ESF101-A Electronic Sounder and Beacon with shallow base
- > FF ESF101-AB Electronic Sounder and Beacon with shallow base white
- ▶ FF ESF101-B Electronic Sounder and Beacon with deep base
- ▶ FF ESF101-BB Electronic Sounder and Beacon with deep base white



FF ES101 ELECTRONIC SOUNDER





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EN54-3

FEATURES

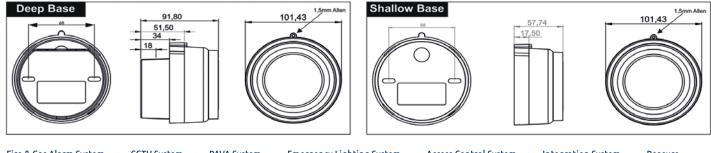
- Aesthetic design
- Base lock
- Shallow and deep base options
- Maximum performance with featured microprocessor
- Selectable 4 tones
- Red and white body options
- Fire resistant housing

TECHNICAL SPECIFICATIONS

24V DC Voltage Range Alarm Current @24V DC <10,6mA Performance: Sound Output 98dB Number of Tones 4 Frequency Range 600-2800Hz Environmental: Humiditv 5% to 95% Temperature -10°C to +55°C Casing ABS **IP** Rating IP42 or IP65

ORDER DETAILS

- ▶ FF ES101-A Electronic Sounder with shallow base
- ▶ FF ES101-AB Electronic Sounder with shallow base white
- ▶ FF ES101-B Electronic Sounder with deep base
- ▶ FF ES101-BB Electronic sounder with deep base white



Fire & Gas Alarm System • CCTV System • PAVA System • Emergency Lighting System • Access Control System • Integration System • Reasure



FF VB100 FIRE ALARM CALL POINT







CE EN54-11

TECHNICAL SPECIFICATIONS

Voltage Range30V DCCurrent Rate2AEnvironmental:5% ~ 95%Humidity5% ~ 95%Temperature-10°C ~ +55°CCasingABSIP RatingIP 24

Aesthetic designEasily resettable

FEATURES

Easily resettable

ORDER DETAILS

▶ FF VB100 Fire Alarm Call Point