IN FIRE

SABA TAM
SANAT
na·de®

www.sabatam.com

na·de®

Conventional System

In conventional systems, which are simpler in terms of structure and operating logic, detectors and buttons are connected to the zone lines of the conventional fire detection switchboard.

By connecting the termination resistor to the end of each zone line, the power plant is enabled to control the zone line through this resistor. When a short circuit or an open circuit error occurs on the zone line, the power plant cannot monitor the end-of-line resistance and warns the user by giving an error of this.

In case of fire, the alarm resistance of the detector that detects or the fire alarm button that is active is activated and there is a change in the equivalent resistance of the zone line. Changing the resistance causes the current in the zone line to change. A conventional fire detection power central also performs fire detection and warning operations by monitoring this current change. For this reason, the source of fire in conventional systems is determined regionally. 32 pieces fire detection devices can be connected to each zone line.

Regional notification-based fire detection and warning systems are used in places where access to the fire zone is easy at the time of fire, where there are few independent sections (low-rise buildings, open space warehouses, small café - and restaurant – style buildings for entertainment and gathering, etc.) are economic systems that are convenient to use.

FS4000/2 Fire Alarm Central (2 Zone)

FS4000/4 Fire Alarm Central (4 Zone)

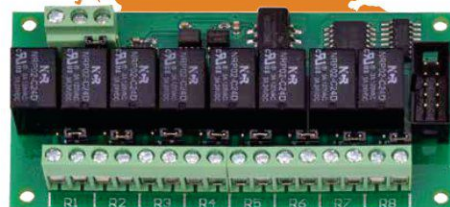FS4000/6 Fire Alarm Central (6 Zone)

FS4000/8 Fire Alarm Central (8 Zone)

FIRE DETECTION&WARNING SYSTEMS

SERIES FS4000 | GENERAL FEATURES of CONVENTIONAL FIRE DETECTION CENTRALS

Compatibility with EN 54-2, EN 54-4 standards
Easy installation, LED display
Additional fire relay output option for each zone.
Ability to assign a delay of 1-7 minutes to outputs
Test mode and deactivation for each zone
Compatibility with FS5200R conventional power central
Networking up to 15 panels with repeater panel

It can deactivate siren outputs
Display of siren errors, ground errors, mains errors, battery errors, etc.
2 pieces fire relays
2 pieces conventional fire outputs
1 piece fault relay output

FD4201 2/4/6/8 EXPANSION MODULE

Conventional relay expansion module
2/4/6/8 pieces relay output for fire
Rs485 interface

www.sabatam.com

na·De®

FIRE DETECTION&WARNING SYSTEMS

CONVENTIONAL FIRE ALARM SYSTEMS SERIES 5100

LCD screen

2 pieces fire lines

2 pieces siren outputs

2 pieces relay outputs for fire

1 piece relay output for error

Ability to increase the number of zones with expansion modules

Permanent archive memory

84 event recording

Compatibility with FS5200R conventional repeater central

5101 EXPANSION MODULE

Expansion module for FS5100 central
3 pcs fire lines
3 pcs relay outputs for fire

5102 EXPANSION MODULE

Expansion module for FS5100 central
6 pcs fire lines
3 pcs relay outputs for fire

www.sabatam.com

na·de®

FS5200R CONVENTIONAL REPEATER CENTRAL

Provides fire suppression procedural control.
Repeats fire extinguishing procedure.
Compatible with series FS5000, FS5100, FS4000 centrals.

FS5200 FIRE ALARM CENTRAL

- LCD screen
- 8 pcs fire lines
- 1 piece siren output
- 2 pcs relay outputs for fire
- 1 piece relay output for error
- Ability to increase the number of zones with expansion modules
- Permanent memory archive
- Ability to include up to 256 events
- Compatibility with FS5200R conventional repeater central

FIRE DETECTION&WARNING SYSTEMS

5201 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines

5202 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines
- 1 piece siren output

5203 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines

5204 EXPANSION MODULE

- Compatible with FS5200 central
- 16 pcs fire lines

www.sabatam.com

FS5200R CONVENTIONAL REPEATER CENTRAL

Provides fire suppression procedural control.
Repeats fire extinguishing procedure.
Compatible with series FS5000, FS5100, FS4000 centrals.

FS5200 FIRE ALARM CENTRAL

LCD screen
8 pcs fire lines
1 piece siren output
2 pcs relay outputs for fire
1 piece relay output for error
Ability to increase the number of zones with expansion modules
Permanent memory archive
Ability to include up to 256 events
Compatibility with FS5200R conventional repeater central

FIRE DETECTION&WARNING SYSTEMS

5201 EXPANSION MODULE

Compatible with FS5200 central
8 pcs fire lines

5202 EXPANSION MODULE

Compatible with FS5200 central
8 pcs fire lines
1 piece siren output

5203 EXPANSION MODULE

Compatible with FS5200 central
8 pcs fire lines

5204 EXPANSION MODULE

Compatible with FS5200 central
16 pcs fire lines

www.sabatam.com

na·De®

FIRE DETECTION&WARNING SYSTEMS

FD8010 FIXED HEAT DETECTOR

FD8020 HEAT RISE DETECTOR

FD8030 OPTICAL SMOKE DETECTOR

FD8060 COMBINED (Optical Smoke + Heat)

Optical smoke detectors can be used in any area where the fire smoke effect can be a priority. For example; offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.

Heat detectors can be used in very dusty and steamy areas where the heat effect of the fire may take priority or where smoke detectors are likely to give false alarms very often due to environmental conditions. For example, kitchens, garages-car parks, cold storages, laundries, tea shops, factories, boiler rooms, ironing rooms, etc.

It is recommended to use a combined detector (smoke and heat) in places where the sequence of smoke and temperature effects in a fire in the environment is likely to vary. For example; industrial facilities, areas where wood, paper, textile-derived materials and fuel-like substances are found, panel rooms, data processing centers, workshops, electric shafts, fabric cutting areas, film archives, mechanical areas, etc.

FD8040 FLAME FIRE DETECTOR

Dot type optical flame fire detector

YKB02K

Pipe type smoke detector
Conventional smoke detector
With remote LED display
It detects the presence of smoke
in pipes or ventilation parts.

YKB02K; is used for smoke detection in ventilation ducts. Body part is mounted on the outside of the air ducts. The fume extraction pipe enters the duct and then the air reaches the detector through the pipe. Air taken by the air circulation returns to the duct with the outlet pipe. Alarm detection is performed in case of smoke in the circulating air.

FD8040; provides reliable early warning of a fire situation when it detects the infrared emission of the flame. It can be used in places where other types of fire detectors are not used.

na·de®

FIRE DETECTION&WARNING SYSTEMS

DB8000 BASE

Standard detector base

FD8204 INTERNAL SIREN

90dB
15-30V DC operating voltage

FD3050 FIRE ALARM BUTTON

10-30V DC operating voltage
Resettable

SB 112F EXTERNAL SIREN

110db
24V DC

RI31 PARALLEL WARNING LIGHT

5-30V DC operating voltage

RI31S DISTANCE – SOUND INDICATOR (BUZZER)

5-30V DC operating voltage

AKV01 BATTERY

12V / 4,5 Ah
Compatible with conventional and 1 loop addressable centrals

AKV02 BATTERY

12V / 18Ah
Compatible with addressable with 2 and 4 loops

INTELLECT COMPUTER MONITORING SOFTWARE

Displaying interface of fire alarm systems
Compatible with IFS7000 series addressable fire detection systems
Compatible with series FS5100, FS5200 conventional fire alarm systems

TK

Plastic transparent cover for series FD7150 and FD3050

www.sabatam.com

na·De®

FIRE DETECTION&WARNING SYSTEMS

BEAM TYPE SMOKE DETECTOR
(REFLECTOR INCLUDED)

AW-BK901/8-100MT Reflector Beam Detector

FLOOD DETECTOR

SBD-TOD-0590 / Flood Detector (with contact output)

CARBON MONOXIDE DETECTOR

FXDCO Carbon Monoxide Detector (with rechargeable battery + electric)
FXDCO1 Carbon Monoxide Detector (with battery + electric)

FS5200P POWER SUPPLY

Input Voltage: (187-253) V AC, 50 Hz
Maximum Consumption Capacity: 120VA
Output Voltage: (17-28)V DC
Output Current: (within the main power supply)
– up to 3,5A (permanent)
Output Current (in the absence of mains
power supply and fully charged backup battery)
: 3,5 A (up to 2 h)
Back-up Battery: 2x12V DC / 7 Ah

CONVENTIONAL SIREN WARNING LIGHT

ECSI20
Internal siren single LED indicator 24V DC

AUTOMATIC PHONE CALLING DEVICE

TD200 / Automatic phone calling devide

POWER SUPPLY / ADAPTER

10 pcs siren can be connected
25 pcs siren can be connected
35 pcs siren can be connected
50 pcs siren can be connected

NATURAL GAS DETECTOR

NYS Natural gas detector 220V
NYS1 Natural gas detector 12-24V

EARTHQUAKE SENSOR

TAMYY2
TAMYY3

SURFACE-MOUNTED APPARATUS

AC8001 Flanged surface mounted mounting apparatus
AC8002 Without-flanged surface mounting apparatus

CONVENTIONAL FLASHER

ESF24-FLŞ
İnternal flasher 24V DC

DB8000R DETECTOR BASE with RELAY

Detector base with relay

www.sabatam.com

FIRE DETECTION AND WARNING SYSTEMS

SABA TAM SANAT
na·de

Conventional System

In conventional systems, which are simpler in terms of structure and operating logic, detectors and buttons are connected to the zone lines of the conventional fire detection switchboard.

By connecting the termination resistor to the end of each zone line, the power plant is enabled to control the zone line through this resistor. When a short circuit or an open circuit error occurs on the zone line, the power plant cannot monitor the end-of-line resistance and warns the user by giving an error of this.

In case of fire, the alarm resistance of the detector that detects or the fire alarm button that is active is activated and there is a change in the equivalent resistance of the zone line. Changing the resistance causes the current in the zone line to change. A conventional fire detection power central also performs fire detection and warning operations by monitoring this current change. For this reason, the source of fire in conventional systems is determined regionally. 32 pieces fire detection devices can be connected to each zone line.

Regional notification-based fire detection and warning systems are used in places where access to the fire zone is easy at the time of fire, where there are few independent sections (low-rise buildings, open space warehouses, small café - and restaurant – style buildings for entertainment and gathering, etc.) are economic systems that are convenient to use.

FS4000/2 Fire Alarm Central (2 Zone)

FS4000/4 Fire Alarm Central (4 Zone)

FS4000/6 Fire Alarm Central (6 Zone)

FS4000/8 Fire Alarm Central (8 Zone)

FS4000 SERİES | GENERAL FEATURES of CONVENTIONAL FIRE DETECTION CENTRALS

- Compatibility with EN 54-2, EN 54-4 standards
- Easy installation, LED display
- Additional fire relay output option for each zone.
- Ability to assign a delay of 1-7 minutes to outputs
- Test mode and deactivation for each zone
- Compatibility with FS5200R conventional power central
- Networking up to 15 panels with repeater panel
- It can deactivate siren outputs
- Display of siren errors, ground errors, mains errors, battery errors, etc.
- 2 pieces fire relays
- 2 pieces conventional fire outputs
- 1 piece fault relay output

- It can deactivate siren outputs
- Display of siren errors, ground errors, mains errors, battery errors, etc.
- 2 pieces fire relays
- 2 pieces conventional fire outputs
- 1 piece faultrelay output

FD4201 2/4/6/8 EXPANSION MODULE

- Conventional relay expansion module
- 2/4/6/8 pieces relay output for fire
- Rs485 interface

FIRE DETECTION&WARNING SYSTEMS

CONVENTIONAL FIRE ALARM SYSTEMS SERIES 5100

- LCD screen
- 2 pieces fire lines
- 2 pieces siren outputs
- 2 pieces relay outputs for fire
- 1 piece relay output for error
- Ability to increase the number of zones with expansion modules
- Permanent archive memory
- 84 event recording
- Compatibility with FS5200R conventional repeater central

5101 EXPANSION MODULE

- Expansion module for FS5100 central
- 3 pcs fire lines
- 3 pcs relay outputs for fire

5102 EXPANSION MODULE

- Expansion module for FS5100 central
- 6 pcs fire lines
- 3 pcs relay outputs for fire

www.sabatam.com

FS5200 FIRE ALARM CENTRAL

- LCD screen
- 8 pcs fire lines
- 1 piece siren output
- 2 pcs relay outputs for fire
- 1 piece relay output for error
- Ability to increase the number of zones with expansion modules
- Permanent memory archive
- Ability to include up to 256 events
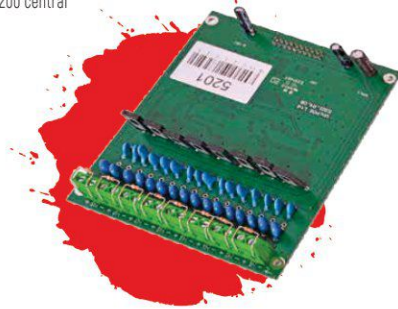- Compatibility with FS5200R conventional repeater central

FS5200R CONVENTIONAL REPEATER CENTRAL

- Provides fire suppression procedural control.
- Repeats fire extinguishing procedure.
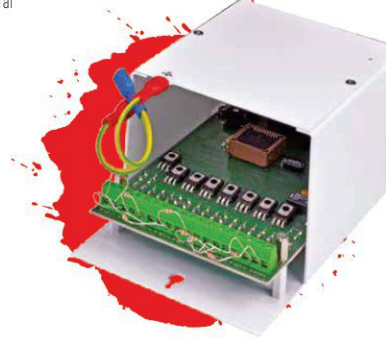- Compatible with series FS5000, FS5100, FS4000 centrals.

FIRE DETECTION&WARNING SYSTEMS

5201 EXPANSION MODULE

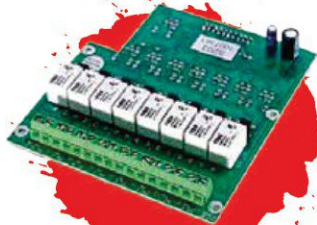- Compatible with FS5200 central
- 8 pcs fire lines

5202 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines
- 1 piece siren output

5203 EXPANSION MODULE

- Compatible with FS5200 central
- 8 pcs fire lines

5204 EXPANSION MODULE

- Compatible with FS5200 central
- 16 pcs fire lines

www.sabatam.com

na·de®

FIRE DETECTION&WARNING SYSTEMS

FD8010 FIXED HEAT DETECTOR

FD8020 HEAT RISE DETECTOR

FD8030 OPTICAL SMOKE DETECTOR

FD8060 COMBINED (Optical Smoke + Heat)

Optical smoke detectors can be used in any area where the fire smoke effect can be a priority. For example; offices, schools, business centers, meeting rooms, hotels, factories, warehouses, workshops, hospitals, etc.

Heat detectors can be used in very dusty and steamy areas where the heat effect of the fire may take priority or where smoke detectors are likely to give false alarms very often due to environmental conditions. For example, kitchens, garages-car parks, cold storages, laundries, tea shops, factories, boiler rooms, ironing rooms, etc.

It is recommended to use a combined detector (smoke and heat) in places where the sequence of smoke and temperature effects in a fire in the environment is likely to vary. For example; industrial facilities, areas where wood, paper, textile-derived materials and fuel-like substances are found, panel rooms, data processing centers, workshops, electric shafts, fabric cutting areas, film archives, mechanical areas, etc.

FD8040 FIRE DETECTOR

· Dot type optical flame fire detector

YKB02K

· Pipe type smoke detector
· Conventional smoke detector
· With remote LED display
· It detects the presence of smoke in pipes or ventilation parts.

YKB02K; is used for smoke detection in ventilation ducts. Body part is mounted on the outside of the air ducts. The fume extraction pipe enters the duct and then the air reaches the detector through the pipe. Air taken by the air circulation returns to the duct with the outlet pipe. Alarm detection is performed in case of smoke in the circulating air.

FD8040; provides reliable early warning of a fire situation when it detects the infrared emission of the flame. It can be used in places where other types of fire detectors are not used.

na·de®

DB8000 BASE

· Standard detector base

FD8204 INTERNAL SIREN

· 90dB
· 15-30V DC operating voltage

FD3050 FIRE ALARM BUTTON

· 10-30V DC operating voltage
· Resettable

SB 112F EXTERNAL SIREN

· 110db
· 24V DC

RI31 PARALLEL WARNING LIGHT

· 5-30V DC operating voltage

RI31S DISTANCE – SOUND INDICATOR (BUZZER)

· 5-30V DC operating voltage

AKV01 BATTERY

· 12V / 4,5 Ah
· Compatible with conventional and 1 loop addressable centrals

AKV02 BATTERY

· 12V / 18Ah
· Compatible with addressable with 2 and 4 loops

FIRE DETECTION&WARNING SYSTEMS

www.sabatam.com

INTELLECT COMPUTER MONITORING SOFTWARE

- Displaying interface of fire alarm systems
- Compatible with IFS7000 series addressable fire detection systems
- Compatible with series FS5100, FS5200 conventional fire alarm systems

TK

- Plastic transparent cover for series FD7150 and FD3050

FS5200P POWER SUPPLY

- Input Voltage: (187-253) V AC, 50 Hz
- Maximum Consumption Capacity: 120VA
- Output Voltage: (17-28)V DC
- Output Current: (within the main power supply)
  – up to 3,5A (permanent)
- Output Current (in the absence of mains power supply and fully charged backup battery): 3,5 A (up to 2 h)
- Backup Battery: 2x12V DC / 7 Ah

SURFACE-MOUNTED APPARATUS

- AC8002 Without-flanged surface mounting apparatus

AC8002

- AC8002 Surface Mounting Apparatus for Humid Environment

DB8000R DETECTOR BASE with RELAY

- Detector base with relay

na·de®

5200E SERIES | CONVENTIONAL FIRE ALARM EQUIPMENTS

FS5200E FIRE EXTINGUISHING CENTRAL

- 3 pieces fire alarm lines
- 2 pieces fire extinguisher alarm lines
- 1 pcs non-fire extinguishing control alarm line
- RS485 interface

FD5301 REPEATER PANEL

- Provides control over firefighting procedures
- Repeats firefighting procedures
- Compatible with FS5200E central

FD3050Y MANUAL RELEASE BUTTON

- Used for manual activation of extinguisher
- Compatible with FS5200E central

FD3050G EMERGENCY STOP BUTTON

- It is used to hold the extinguishing
- Allows to increase the evacuation time
- Compatible with FS5200E central

FS3050B ADDITIONAL RELEASE BUTTON

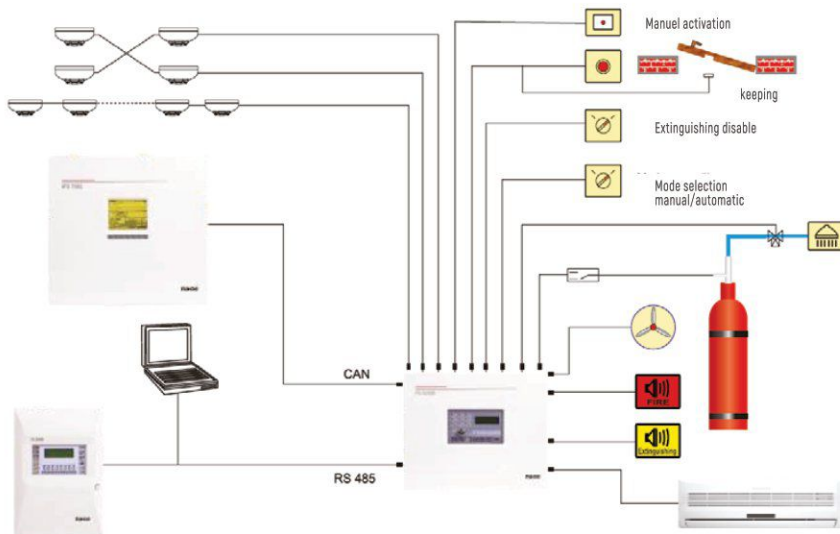- Used for automatic activation of extinguisher
- Compatible with FS5200E central

FD5302 MODE SELECTION SWITCH

- Used for select the operating mode of FS5200E switch

FIRE DETECTION&WARNING SYSTEMS

Manuel activation

keeping

Extinguishing disable

Mode selection manual/automatic

CAN

RS 485

www.sabatam.com

CONVENTIONAL
FIRE ALARM SYSTEM

www.sabatam.com