CONVENTIONAL FIRE CONTROL PANELS FS 5100 and FS 5200

BASIC FEATURES

FS 5100

FS 5200

Fire Control Panels FS 5100 and FS 5200 are up-to-date, highly reliable, multifunctional and versatile units, providing the user with unexpected potential in the design, installation and operation of conventional fire alarm systems.

Their main features and possibilities are:

- Adjustment of operating modes and parameters of each fire alarm line via built in keypad
- User oriented menu dialogue for easy and convenient operation
- LCD display for visualization of system checkup and setup modes
- LEDs indication for early warning of a break down or extreme conditions
- Energy independent archive memory saving the event type, date and time up to 84 events (FS 5100) and up to 256 events (FS 5200)
- Built-in serial interface for connection to second level control devices, ability for connection via telephone line and standard modem
- System expansion and functional modification (our goal is discontinuous improvement of the fire alarm equipment features), no additional cabling necessary
- Compatible to random installation design, within the range of fire control panels resources
- Control over fire alarm lines and controllable outputs for fault conditions (short circuit and interruption) and automatic reset
- Detection of removed fire detector in a line and automatic reset
- Ability to set the lines in dependency of the function "Logical AND"
- Group addressing of manual call points and automatic fire detectors
- Two phases of Fire condition, programmable time for Fire condition stage I, separately for each line
- Option to prolong the time period for Fire condition stage I with a programmable overall inspection period

  Built-in sounder for fire condition one tonal, continuous, can be switched off
- Built-in sounder for fault condition one tonal, discontinuous, can be switched off
- Built-in real time clock
- Set of test modes and options for adjustment:

  Setting the clock

  Check up of light and sound indications

  Test of fire alarm lines

  Adjustment of outputs and the integrated external devices

  Measuring the current value in the fire alarm lines

  Programming of parameters and modes of operation
- Remote programming of parameters from a distant operator control point
- Communication interface for external devices - RS-232 (directly or via modem) or RS-485

TECHNICAL DATA

	FS 5100	FS 5200
FIRE ALARM LINES		
- Maximum number of fire detectors in a line	32	32
- Connecting line	two-wire	two-wire
- Maximum resistance of a line	100 Ω	100 Ω
CONTROLLABLE OUTPUTS		
- Type	potential	potential
- Electrical characteristics	(24±5)V/100 mA	(24±5)V/500 mA
RELAY OUTPUTS FOR FAULT CONDITIONS		
- Type	potential free, switching	potential free, switching
- Electrical characteristics	3 A/125 V AC; 3 A/30 V DC	3 A/125 V AC; 3 A/30 V DC
RELAY OUTPUTS FOR FAULT CONDITIONS		
- Type	potential free, switching	potential free, switching
- Electrical characteristics	3 A/125 V AC; 3 A/30 V DC	3 A/125 V AC; 3 A/30 V DC
INDICATIONS OF REGISTERED EVENTS		
- Light indication	LEDs	LEDs
- Text messages	LCD display - 1 line, 16 symbols, Latin/Cyrillic characters, backlit	LCD display - 4 lines, 20 symbols, Latin/Cyrillic characters, backlit
- Sound	Built-in sounder	Built-in sounder
ACCESS LEVELS TO CONTROL FUNCTIONS	4 (in compliance with EN 54/2)	4 (in compliance with EN 54/2)
POWER SUPPLY		
- Voltage	220/230 V	220/230 V
- Frequency	50 Hz	50 Hz
BACKUP BATTERIES	2 x 12 V / 7 Ah	2 x 12 V / 12 Ah
OPERATION IN DUTY MODE UPON INTERRUPTED MAINS SUPPLY		
- Minimum configuration	46 h	80 h
- Maximum configuration	32 h	30 h
CONSUMPTION ON BACKUP BATTERIES SUPPLY IN DUTY MODE AT 24 V		
- Minimum configuration	<150 mA	<155 mA
- Maximum configuration	<220 mA	<400 mA
POWER SUPPLY TO EXTERNAL DEVICES		
- Voltage	(24±5)V	(24±5)V
- Maximum current value (current of controllable outputs included)	1,3 A	1,5 A
WEIGHT (BACKUP BATTERIES NOT INCLUDED)	5,2 kg	6,6 kg
DIMENSIONS	445 x 327 x 87 mm	450 x 355 x 115 mm
OPERATING TEMPERATURE	-5 C° to +40 C°	-5 C° to +40 C°
RELATIVE HUMIDITY	to 93 %	to 93 %
DEGREE OF PROTECTION	IP 40	IP 40

TYPES OF MODULES OF FIRE CONTROL PANEL FS 5100

BASIC MODULE

2 fire alarm lines
2 controllable outputs
2 relay outputs for fire condition
1 relay output for fault condition

POWER SUPPLY MODULE

MODULE 5101

3 fire alarm lines
3 relay outputs for fire condition

MODULE 5102

6 fire alarm lines
3 relay outputs for fire condition

POWER SUPPLY MODULE FOR MODEM

INTERFACE MODULE RS 232/ RS 485

COMFIGURATIONS OF FIRE CONTROL PANEL FS 5100

CONFIGURATIONS	MODULES				FEATURES			
	BASIC	POWER SUPPLY	5101	5102	FIRE ALARM LINES	LINES OUTPUTS	RELAY OUTPUTS FOR FIRE CONDITION	RELAY OUTPUTS OUTPUTS CONDITION
MINIMUM	1	1	—	—	2	2	2	1
EXPANDED	1	1	1	—	5	2	5	1
MAXIMUM	1	1	—	1	8	2	5	1

Each configuration can be supplemented with INTERFACE MODULE and POWER SUPPLY MODULE FOR MODEM.

TYPES OF MODULES OF FIRE CONTRO PANEL FS 5200

BASIC MODULE

8 fire alarm lines
1 controllable output
2 relay outputs for fire condition
1 relay output for fault condition

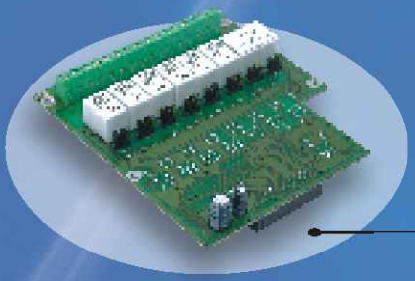
POWER SUPPLY MODULE

MODULE 5201

8 fire alarm lines

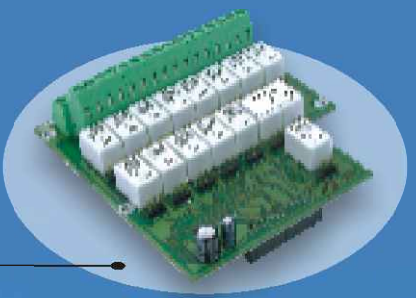
MODULE 5202

8 fire alarm lines
1 controllable output



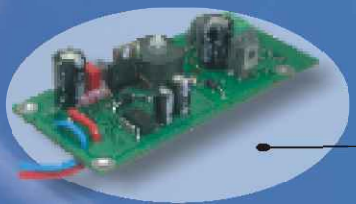
MODULE 5203

8 relay outputs for fire condition



MODULE 5204

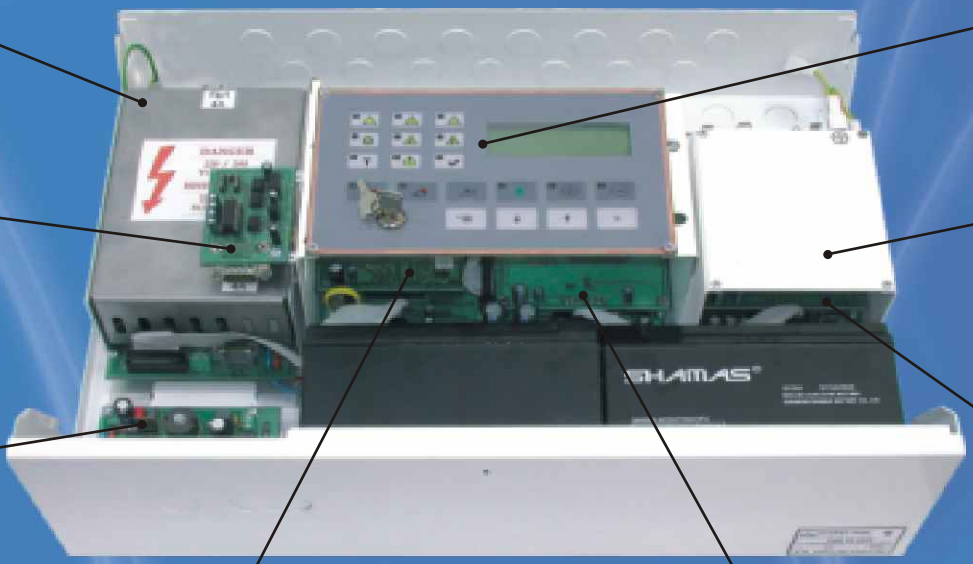
16 relay outputs for fire condition



POWER SUPPLY MODULE FOR MODEM

INTERFACE MODULE RS 232/ RS 485

CONFIGURATIONS OF FIRE CONTROL PANEL FS 5200



CONFIGURATIONS	MODULES						FEATURES			
	BASIC	POWER SUPPLY	5201	5202	5203	5204	FIRE ALARM LINES	CONTROLLABLE OUTPUTS	RELAY OUTPUTS FOR FIRE CONDITION	RELAY OUTPUTS FOR FAULT CONDITION
00 (minimum)	1	1	—	—	—	—	8	1	2	1
01	1	1	—	—	1	—	8	1	10	1
02	1	1	—	—	—	1	8	1	18	1
03	1	1	1	—	—	—	16	1	2	1
04	1	1	1	—	1	—	16	1	10	1
05	1	1	1	—	—	1	16	1	18	1
06	1	1	1	1	—	—	24	2	2	1
07	1	1	1	1	1	—	24	2	10	1
08	1	1	1	1	—	1	24	2	18	1
09	1	1	2	1	—	—	32	2	2	1
10	1	1	2	1	1	—	32	2	10	1
11 (maximum)	1	1	2	1	—	1	32	2	18	1

Each configuration can be supplemented with INTERFACE MODULE and POWER SUPPLY MODULE FOR MODEM.

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