



# Conventional Fire Panel

FPC-500-2 | FPC-500-4 | FPC-500-8



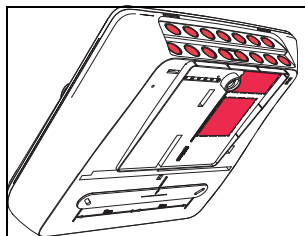
**BOSCH**

en Quick Installation Guide

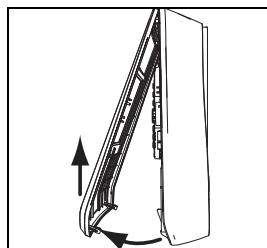
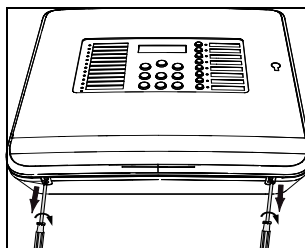


# 1 Installation

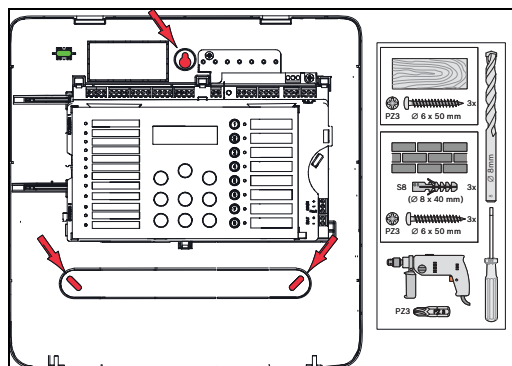
## 1.1 Inserting cables



## 1.2 Opening the housing



## 1.3 Installing the housing

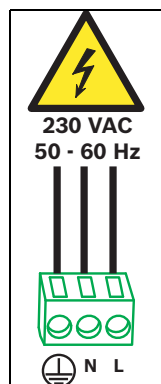
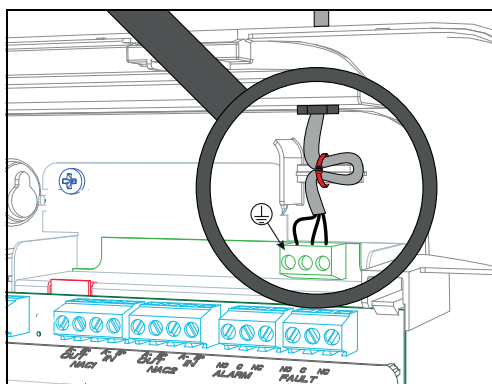


## 1.4 Mains supply



### DANGER!

Only perform installation work when the panel has no voltage.  
There is a danger of an electric shock.

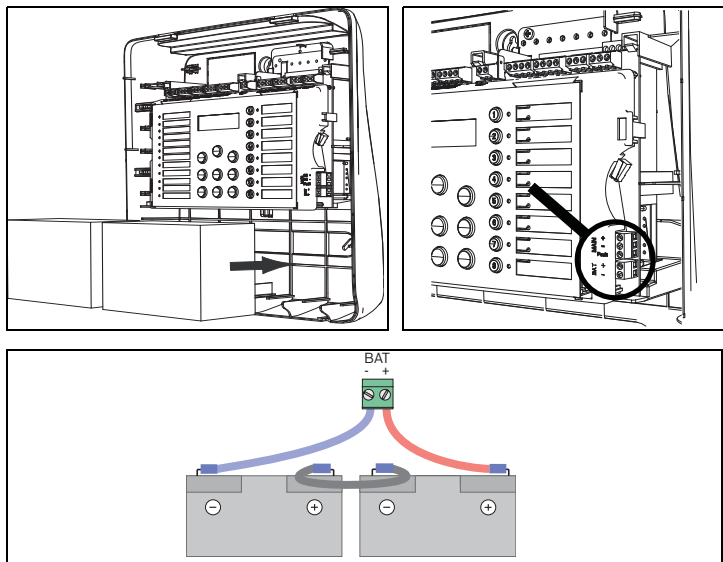


## 1.5 Batteries, 24 V emergency power supply



### NOTICE!

Note the polarity of the batteries.  
If the batteries are connected with the polarity reversed, the thermal fuse on the main board of the fire panel reacts.



Secure the batteries with the plastic foam blocks provided so that they cannot move.

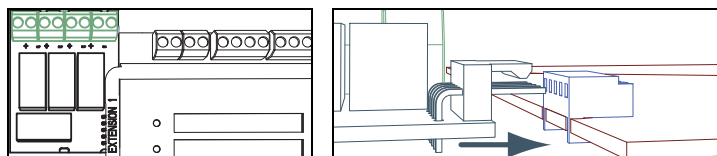
## 1.6 Extensions

### NOTICE!

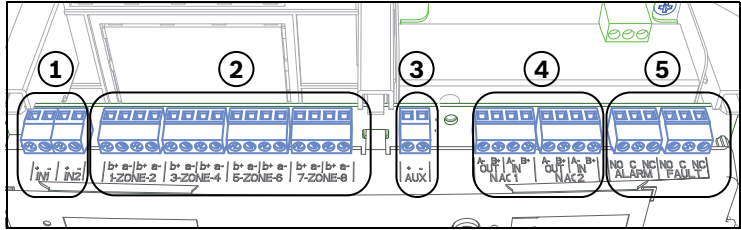


A maximum of two extensions can be connected:

- FPC-500-2: No extension can be connected
- FPC-500-4: One extension can be connected
- FPC-500-8: Two extensions can be connected

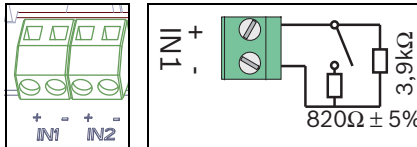


## 1.7 Wiring

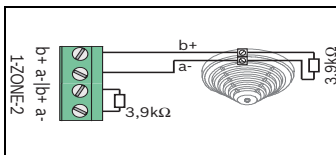
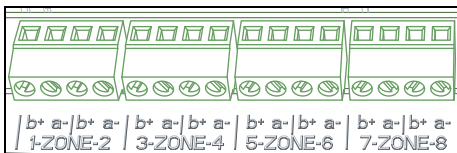


- 1 Inputs
- 2 Zones
- 3 Aux power supply
- 4 Notification appliances
- 5 Alarm and fault relay

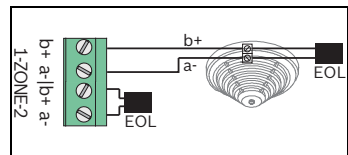
### 1.7.1 Inputs



### 1.7.2 Zones



Non-EN54-13



EN54-13

**NOTICE!**



Note that the maximum line resistance for conventional zones is 22.5 ohm.

The voltage of the zones is 20 VDC  $\pm$ 1 V.

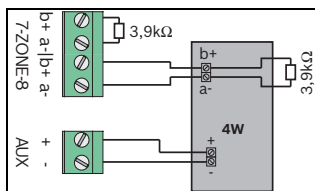
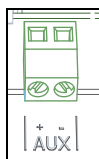
The maximum current of the zones is 100 mA  $\pm$ 5 mA.

**NOTICE!**

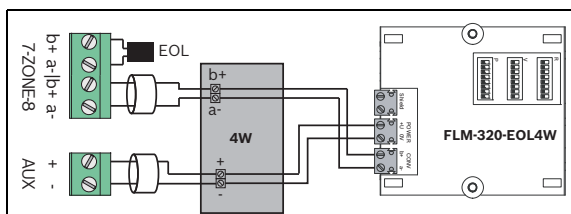


Observe local regulations for the maximum number of detectors in a zone.

### 1.7.3 Aux power

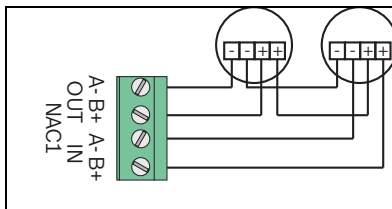
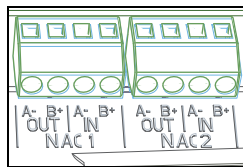


Non-EN54-13



EN54-13

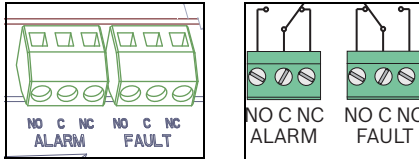
### 1.7.4 Notification appliances



**NOTICE!**

Each notification appliance output provides connected notification appliances with a maximum current of 500 mA at 24 VDC. The permissible voltage range of the output is 21–29 VDC.

### 1.7.5 Relay outputs

**NOTICE!**

The fault relay is activated in a normal state. It is opened in the event of a fault.

## 1.8 Commissioning

### 1.8.1 Setting the language

To set the language, proceed as follows:



Use the arrow keys to set the desired language.



Confirm your selection in the menu with the ACK key.

### 1.8.2 Setting the time and date



Use the arrow keys to set the current day.



Confirm your selection in the menu with the ACK key.

Repeat this procedure to set the correct values for the month, year and time.




After initializing the fire panel you are in the basic settings of the panel.

## 1.9 Brief overview, operating level 1 and 2

		Submenu				
		1	2	3		
<b>Menu operating level 1 and 2</b>						
①	1	Current Events	1	Faults	-	-
			2	Disablements	-	-
			3	Test	-	-
			4	PreAlarm	-	-
	2	History	1	Event History	-	-
			2	Test History	-	-
	3	Alarm Counter	-	-	-	-
	4	System Info	1	SW Release	-	-
2			Operation Days	-	-	
<b>Menu operating level 2 – code required</b>						
①	5	View Config	-	-	-	-
	6	System Config	1	Date/Time	-	-
			2	Keypad Tone	<b>1</b>	<b>On</b>
					2	Off
			3	Language	1	1-A - L
	2	2-M - Z				

## 1.10 Test menu

		Submenu				
		1	2	3		
Test menu						
	1	Test MMI	-	-	-	-
	2	Test Zones	1	Zone 1	-	-
			2	Zone 2	-	-
			3	Zone 3	-	-
			4	Zone 4	-	-
			5	Zone 5	-	-
			6	Zone 6	-	-
			7	Zone 7	-	-
			8	Zone 8	-	-
	3	Dis/Enable	1	Zones	1	Zone 1
					2	Zone 2
					3	Zone 3
					4	Zone 4
					5	Zone 5
					6	Zone 6
7					Zone 7	
8					Zone 8	
2			NAC	ACK #=YES ESC=No		
3			Relays	ACK #=YES ESC=No		
4			All	ACK #=YES ESC=No		

## 1.11 Brief overview, operating level 3

		Submenu		
		1	2	3
<b>1 - System Config</b>				
1	1	Date/Time		
	2	Keypad Tone	<b>1 On</b>	- -
			2 Off	- -
	3	EOL Devices	<b>1 Resistor</b>	- -
			2 Only 2W Module	- -
			3 With 4W Module	- -
	4	Zone Reset	1 Cut For	1 1 s
				<b>2 5 s</b>
				3 10 s
				4 15 s
				5 20 s
		2 Stabilize For	1 1 s	
			<b>2 5 s</b>	
			3 10 s	
			4 15 s	
			5 20 s	
	5	Aux Power	<b>1 With Zone</b>	- -
			2 With Panel	- -
			3 Never	- -
	6	Faults	<b>1 Latching</b>	- -
			2 Non Latching	- -
	7	Code	1 Level # Code 2	- -
			2 Level # Code 3	- -
8	Test History	<b>1 Log Enabled</b>	- -	
		2 Log Disabled	- -	

		<b>Submenu</b>			
		<b>1</b>	<b>2</b>	<b>3</b>	
<b>2 - Delay Config</b>					
2	1	Day Mode Off	<b>1 Manual</b>	- -	
			2 Automatic	Off Time: :17:00	
	2	Alarm Verific	1	ACK Within	1 30 s
				<b>2 60 s</b>	
				3 90 s	
				4 120 s	
			2	Invest Time	<b>1 1 min Delay</b>
					2 2 min Delay
					3 3 min Delay
					4 4 min Delay
					5 5 min Delay
					6 6 min Delay
					7 7 min Delay
	8 8 min Delay				
	3	NAC 1	1	Alert	
			<b>2 Evacuate</b>		
	3	Int Alarm Stor	1	Reset After	1 1 s
				2 5 s	
				<b>3 10 s</b>	
				4 15 s	
				5 20 s	
			2	Total Delay	- -
			4	Power Fault	<b>1 No Delay</b>
2 1 min Delay	- -				
3 5 min Delay	- -				
4 10 min Delay	- -				
5 15 min Delay	- -				

		<b>Submenu</b>				
		<b>1</b>	<b>2</b>	<b>3</b>		
<b>3 - Zone Config</b>						
3	1	Zone 1	<b>1 No Delay</b>	-	-	
			2 Int Alarm Stor	-	-	
			3 Alarm Verific	-	-	
			4 2-Det Depend	-	-	
			5 2-Zone Depend	-	-	
	2	Zone 2	<b>1 No Delay</b>	-	-	
	3	Zone 3	No Delay (FPC-500-4 /-8)			
	4	Zone 4	No Delay (FPC-500-4 /-8)			
	5	Zone 5	No Delay (FPC-500-8)			
	6	Zone 6	No Delay (FPC-500-8)			
	7	Zone 7	No Delay (FPC-500-8)			
	8	Zone 8	No Delay (FPC-500-8)			
	<b>4 - Input Config</b>					
	4	1	Input 1	<b>1 Not Used</b>	-	-
				2 Drill/Evacuate	-	-
			3 Silence	-	-	
			4 Level 2	-	-	
			5 Reset Panel			
			6 Ext PS Fault	-	-	
			7 Ext Batt Fault	-	-	
2		Input 2	See Input 1 (FPC-500-8)			

		<b>Submenu</b>						
		<b>1</b>	<b>2</b>	<b>3</b>				
<b>5 - Output Config</b>								
5	1	NAC	1	NAC # Zones 1	-	-		
			2	NAC # Zones 2	-	-		
			3	Reactive NAC	<b>1</b>	<b>By Other Zone</b>		
					2	No Reactivate		
			4	NAC in test	1	Activation		
					<b>2</b>	<b>No Activation</b>		
			2	Alarm Relay	1	Silencable	1	Silencable
							<b>2</b>	<b>Not Silencable</b>
	2	Drillable			1	Drillable		
					<b>2</b>	<b>Not Drillable</b>		
	3	OC/Relay Ext	1	OC/Relay 1	<b>1</b>	<b>Zone = Alarm</b>		
					2	Zone # Normal		
					3	Sum Alarm		
					4	Sum PreAlarm		
					5	Sum Fault		
					6	Sum Disable		
					7	Sum Test		
					8	Not Used		
			2	OC/Relay	See OC/Relay 1			
			3	OC/Relay	See OC/Relay 1			
			4	OC/Relay	See OC/Relay 1			
			5	OC/Relay	See OC/Relay 1			
			6	OC/Relay	See OC/Relay 1			
7			OC/Relay	See OC/Relay 1				
8	OC/Relay	See OC/Relay 1						
<b>6 - View Config</b>								

		Submenu			
		1	2	3	
<b>7 - Output Control</b>					
7	1	NAC 1	ACK=On ESC=Off	- -	
	2	NAC 2	ACK=On ESC=Off	- -	
	3	Alarm Relay	ACK=On ESC=Off	- -	
	4	Fault Relay	ACK=On ESC=Off	- -	
	5	OC/Relay Ext	1	OC/Relay 1	ACK=On ESC=Off
			2	OC/Relay 2	ACK=On ESC=Off
			3	OC/Relay 3	ACK=On ESC=Off
			4	OC/Relay 4	ACK=On ESC=Off
			5	OC/Relay 5	ACK=On ESC=Off
			6	OC/Relay 6	ACK=On ESC=Off
7			OC/Relay 7	ACK=On ESC=Off	
8			OC/Relay 8	ACK=On ESC=Off	
6	All	ACK=On ESC=Off	- -		
<b>8 - Config Reset</b>					

### Navigation in the menu



Press the arrow key to scroll up in the menu.



Press the arrow key to scroll down in the menu.



Press the ACK key to confirm your selection.



Press the ESC key to exit the selection without making a change or to jump up a menu level.



Hold the ESC key down for 2 seconds to jump to the uppermost menu level.



In the menu, each menu item has a number from 1 to 8 preceding it. Use the zone keys to select the desired menu item in the menu.



## 2 Default settings

Menu item	Default setting
<b>1 System Config</b>	
2 Keypad Tone	On
3 EOL Devices	Resistor
4 Zone Reset	
1 Cut For	5 s
2 Stabilize For	5 s
5 Aux Power	With Zone
6 Faults	Latching
8 Test History	Log Enabled
<b>2 Delay Config</b>	
1 Day Mode Off	Manual
2 Alarm Verific	
1 ACK Within	60 s
2 Invest Time	1 min
3 NAC 1	Evacuate
3 Int Alarm Stor	
1 Reset After	10 s
4 Power Fault	No Delay
<b>3 Zone Config</b>	
1 Zone 1	No Delay
...	
<b>4 Input Config</b>	
1 Input 1	Not Used
...	
<b>5 Output Config</b>	
1 NAC	
1 NAC # Zones	All zones
2 NAC # Zones	All zones
3 Reactive NAC	By Other Zone
4 NAC in test	No Activation
2 Alarm Relay	
1 Silencable	Not Silencable
2 Drillable	Not Drillable
3 OC/Relay Ext	
1 OC/Relay 1	Zone = Alarm





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