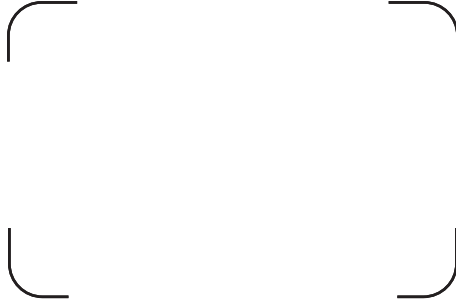


SERVICE



**EDS Elektronik Destek
Sanayi ve Ticaret Ltd. Şti.**

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Introduction

YP series are 6/8/10/12/14 zones conventional fire detection panels. System tests the open / short circuit condition of zones and siren, if a valid alert status detection occurs on the scanned zones, system alerts with sounds and flashing lights. Microchip controlled. 20 number of detector / Fire alarm button connections can be made for each zone. Front panel with LED display. There is one alarm and one fault LED for each zone; a system LED, a general alarm LED, a general fault LED and a siren disorder LED. There are buttons for manuel alarm, siren mute and reset. Access of unauthorised people are restricted by the key lock. Interior battery cabinet is supplied in the box.

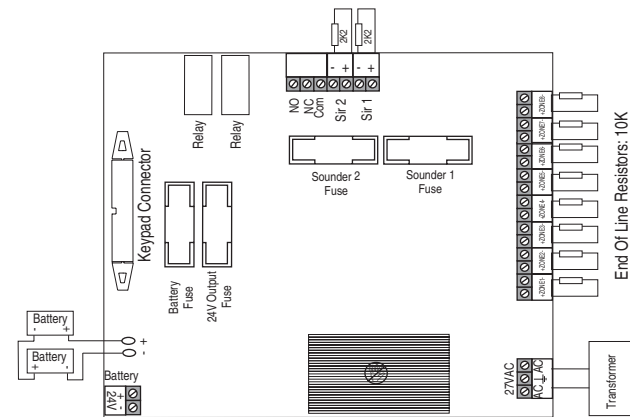
Technical Specifications

| Model | YP 30 06 | YP 30 08 | YP 30 10 | YP 30 12 | YP 30 14 |
|-----------------------|--|----------|----------|----------|----------|
| AC Input | 220VAC | | | | |
| DC Output | 24VDC | | | | |
| Power consumption | 50W | | | | |
| Battery type | 2x12V /2.1Ah | | | | |
| Battery low voltage | 21VDC | | | | |
| End of siren resistor | 2K2 | | | | |
| Detector connecting | 20 pcs. detectors connection with 2x0,8mm ² cable at 1000m(each zones) | | | | |
| End of line resistor | 10K | | | | |
| Battery fuse | 2A | | | | |
| 24V output fuse | 500mA | | | | |
| Siren fuses | 1A | | | | |
| Number zones | 6 | 8 | 10 | 12 | 14 |
| Alarm output relay | Relay | | | | |
| Siren output | Available | | | | |
| Front panel | Leksan | | | | |
| Display led type | LED display | | | | |
| Indicators | zones, zone fault , general fault, alarm, siren, line, batt, batt fault, earth fault | | | | |
| Sound and light alarm | Available | | | | |
| Button | Manuel, siren, reset | | | | |
| Key | Available | | | | |
| Error type | 220VAC broken, ground, battery low | | | | |
| Housing | Metal | | | | |
| Color | Cream | | | | |
| Dimensions (mm) | 350 x 292 x 80 | | | | |
| Weight | 4282gr | | | | |
| Operating temperature | -10 C +50 C | | | | |

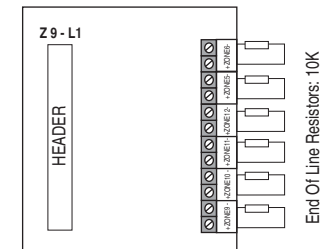
Installation of Panel

Zone and siren connections must be done after mounting the panel to the wall. End of line resistances must be applied to the farrest point unit. Check if there is any open / short circuit on the zones. If there is not any problem, power up the panel. All LEDs except "Batt" led turn on for a second, then only the power led remains on. To turn off the system, power feed (battery / gen. elect. network) should be interrupted.

PCB Connection



YP3006/08/10/12/14



Additional Zone PCB Layout

Warnings & Cautions



Arrow sign in a triangle warns the user for a "dangerous voltage".

- Please read the manual before attempting installation or operation
- Don't use any chemical detergent to clean the machine surface, use a damp cotton cloth only.
- Never install the product in areas exposed to rain or water.
- Avoid exposing the panels to violent movement or vibration.
- Do not place any object into the holes used for air circulation.
- Before connecting the power cord, please select the correct voltage for local use .
- Correct cable connection is important. Make sure ground is well connected to avoid damage caused by lightning.
- Use blendaje fire cable for your system and connect the blendaje to the schasis of the panel.
- Make sure the power cable is properly fixed. Un-suitably fixed cable may cause serious short circuit or fire.
- Turn off the power immediately and contact the technician when the occurs.
- Please don't use any materials with wet or detergent for cleaning panel. Use only dry linen to clean the panel.

Fault Mode

If any of the following occurs the Zone LED light on continuously and the internal buzzer will sound.

- A detector is removed.
- A Zone wiring fault.
- AC mains failure.
- Battery fault or disconnected.
- Sounder circuit wiring fault.

To Silence Fault Mode

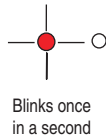
Press the "SILENCE" button. Once the cause of fault indication has been rectified, then press the "RESET" button. If another fault is located, then the tone will sound again, the fault leds illuminated depend upon the type of fault detected.

Evacuate Button

The "EVACUATE" button can be used to activate the alarm in the event of an emergency. It can also be used to re-sound an alarm after the alarm has been silenced..

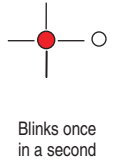
Alarm and Failure Definitons

| OPERATION | ZONE LED on the FRONT PANEL | BUZZER | SIREN | ALARM RELAY |
|--|-----------------------------|--------|-------|-------------|
| Alarm receiving condition from the zones | ● | | | |
| When the siren button is pressed, | ● | | | |
| When the reset button is pressed, | ○ | | | |
| Short circuit condition of the zones | | | | |
| When the siren button is pressed, | | | | |
| When the reset button is pressed, | ○ | | | |



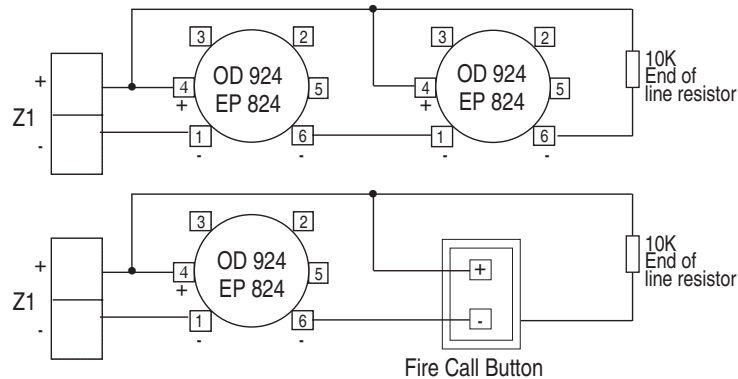
Alarm and Failure Definitons

| OPERATION | ZONE LED on the FRONT PANEL | BUZZER | SIREN | ALARM RELAY |
|--|-----------------------------|--------|-------|-------------|
| Open circuit condition of the zones | ● | | | |
| When the siren button is pressed, | ● | | | |
| When the reset button is pressed, | ○ | | | |
| Short or open circuit condition of the Siren 1 | ● | | | |
| When the siren button is pressed | ● | | | |
| When the reset button is pressed, | ○ | | | |
| Open or short circuit condition of the Siren 2 | | | | |
| When the siren button is pressed | | | | |
| When the reset button is pressed, | ○ | | | |
| Ground line short cut condition In Zone/Siren connection | | | | |
| When the siren button is pressed | | | | |
| When the reset button is pressed, | ○ | | | |

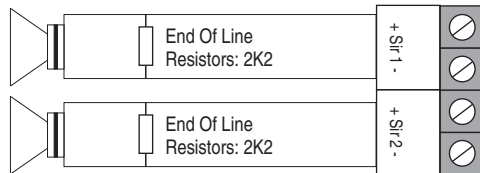


NOTE: Sounder and Reset button work when the alarm key is 'OPEN' circuit.

Connection Schemas



OD 924, EP 824,
Fire Call Button



Siren Connections

YP3006/08/10/12/14

Cable Specifications

Cables used for all connections except power line should be 2x0,06mm, with out halogen, non flammable and sheilded. Isolation resistance should be 100MΩ, working voltage should be 24V and cable resistance should be max. 130Ω/km. Cables for power line should be 3x0,75mm, with earth.

Normal Condition

Under the normal condition the system will be silent and "Line" led will be on if the system working on the battery only, then "BATT" led will be on and "Line" led will be on. In the normal condition system will monitor and react in all zones for open circuit, short circuit and alarm.

Alarm Condition

This mode is activated if the panel receives any of the following occurs:

- 1 - If the Smoke Detector is activated.
- 2 - If the Heat Detector is activated.
- 3 - If the Manual Call Point is activated.

In an alarm condition the common FIRE led will illuminate, as well as the relevant ZONE led will blink in every second. In this mode the sounder will operate and the internal buzzer will sound, Alarm relay gets pulled. Authorisation for resetting the alarm and muting the sirens is connected to the key on the system. People without the key are unable to stop the alarm condition.

To Silence an Alarm Mode

Turn the control key to the "ON" position and press the "SILENCE" button to mute the external sounders.

To Cancel an Alarm Mode

Turn the control key to the "ON" position and press the "RESET" button to cancel the fire alarm condition. In this time the internal buzzer will sound, and all leds will illuminate. (Without common LED)

Zone Open Circuit Condition

If any of the zones change to the open circuit condition (broken cable, etc...), the fault led belonging to this region is on. Buzzer starts Buzzer can be muted with the "Silence" button. LED and Buzzer alert can be stopped by resetting after the open circuit condition is solved.

Zone Short Circuit Condition

If a short circuit happens in any of the zones, the corresponding fault led begins to blink. Buzzer starts. Buzzer can be muted with the siren button. LED and Buzzer alert can be stopped by resetting after the short circuit condition is solved.

Siren Open or Short Circuit Condition

If siren1 changes to the open or short circuit condition (broken cable etc) the LED turns on, buzzer starts. If siren2 changes to the open or short circuit condition (broken cable etc) the LED starts to blink every second, buzzer starts. Buzzer can be muted with the siren button. LED and Buzzer alert can be stopped by reset after the open or short circuit condition is solved.

Failure Conditions

Battery low alarm occurs when the battery feed goes under 21V. Battery fault LED turns on and buzzer starts when the line LED is off. System interruption warning occurs when the 220V feed is interrupted.

Ground Failure

Ground Failure LED blinks and buzzer starts if any kind of short circuit happens to the cables on the way to the zones.

Charge Failure

Battery Fault LED blinks if the battery is not plugged or a problem exists on the charge circuit.

220V Interrupted

Line LED turns off and Batt LED turns on if 220VAC feed is interrupted.

Battery Low

Battery Fault LED turns on if the battery voltage goes under 21V DC. Buzzer starts. Buzzer can be muted with the siren button.