

## 1. Usage Purpose

- The Efire Series Conventional Fire Alarm Detectors should be selected according to the possible fire classes and the specifications of the building to be applied to.
- The activation of the system can be tracked by green flashing two LED's as of the power supply to the detector.
- The selection of the mounting location and the commissioning must be performed by the technical service.
- They must always be used with the EBD Detector Base
- There are different voltage options and dry contact models available.

### Sample Product Code:

Efire-EOD-48-RL (Dry Contact Output Smoke Detector Wit 48 V operating voltage )  
Explanation of product codes (and type label colours)

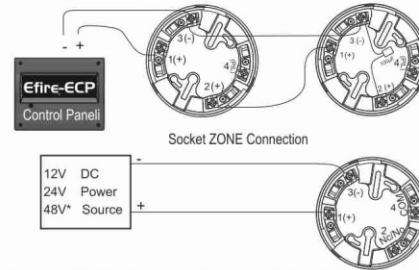
48	:Operating voltage 48 V (all products without 48 indication can operate at 12-24V)	
RL	:Output Type w/ Dry Relay (products without RL indication have a PIL output)	
EHD-A	:Class B Heat Detector w/ Alarm Threshold Value of 58°C	ORANGE
EHD-B	:Class A2 Heat Detector w/ Alarm Threshold Value of 82°C	RED
ECD	: Fixed Temperature + Optical Smoke Detector	GREEN
EOD	:Optical Smoke Detector	BLUE

## 2. Technical Specifications

Activation Indicator	Green LED short flashing
Alarm Indicator	Red LED permanent on
Silence Current	40 - 90 µA
Starting Time	90 sec
Alarm Current	55 mA ± 5 mA
Output	Standard 5 mA for the parallel alarm lamp
Relay	NC/NO options
Operating Voltage	Standard 12-24 V
Model 48	30-48 V
Operating Temperature	(-10°C) - (+55°C)
Relative Humidity	60-95%
Dimensions	Ø: 100mm, h: 50mm
Weight	Product 100gr
Socket	40gr

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## 3. Mounting Instructions



\*It must be ensured that a 48V model is selected when it is aimed to use a 48 V source

### Socket Relay Connection

The mounting must be performed with EBD

On the EBD  
Connector No. 1 (+) Connector No. 2 is used at standard product as NC/NO at products with (+) relay  
Connector No. 3 (+) Connector No. 4 is used at standard product as COM at products with PIL relay

## 4. Warnings

Be sure that the zone connections are correct. (Avoid contact with high voltage due to connecting to the false line.)

Perform the periodical maintenances.

Call the authorized service for the annual control.

Avoid contact with water, dust and chemical materials.

Don't touch with wet hands.

The plastic protection must remain on until it is ready for use.

The product warranty term is 2 (two) years.

The product usage life term determined by the ministry is 5 years.

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REPUBLIC TURKEY  
MINISTRY FOR INDUSTRY AND TRADE  
GENERAL DIRECTORATE  
FOR THE PRESERVATION OF CONSUMERS AND COMPETITION  
**WARRANTY CERTIFICATE**

### Approval Date and Number of the Certificate:

This usage of this certificate is allowed by the Republic Turkey, Ministry for Industry and Trade, General Directorate for the Preservation of Consumers and Competition pursuant to the Code Regarding the Preservation of Consumers No 4 and the Directive Regarding the Application Principles of Warranty Certificates based on this Code.

### MANUFACTURER/IMPORTER COMPANY

TITLE : ELEKS ELEKTRİK ELEKTRONİK SİSTEMLERİ SANAYİ VE TİCARET  
LIMITED ŞİRKETİ

ADDRESS : Şerifali Mah. Bayraktar Bulvarı Emin Sok. No: 3 Y. Dudullu - Ümraniye / İST.

PHONE : 0216 463 47 28 - 29 - 30

FAX : 0216 463 47 31

### COMPANY AUTHORIZED

### SIGNATURE STAMP

### PRODUCT

TYPE :  
BRAND : ELEKS  
MODELİ :  
BANDROL AND SERIES :  
DELIVERY DATE AND PLACE :  
WARRANTY TERM : 2 (TWO) YEARS  
MAX. REPAIR TERM : 30 WORKING DAYS

### SELLER COMPANY

TITLE :  
ADDRESS :  
PHONE :  
FAX :

### DATE SIGNATURE - STAMP

## WARRANTY CERTIFICATE

- The warranty term starts as of the date of the delivery and is 2 (two) years.
- The whole product, including all parts, is within the scope of the warranty of our company.

- The duration spent for repair is added to the warranty term in case of a defect of the product during the warranty term. The repair term of the product is maximal 30 (thirty) working days. This term starts as of the delivery date of the product to the service station, and in case of an absence of a service station, as of the notification to the seller, distributor, agency, representation, importer or manufacturer of the product, respectively.

- In case of a defect of the product during the warranty term due to both material and workmanship and assembly, it shall be repaired without requesting any costs for workmanship, the changed part(s) or under any other title.

- The product will be replaced charge-free, when

- the same defect should be repeated more than 2 times within 1 year or when the product shouldn't be able to be used permanently due to more than 4 different defects, provided to be within the term of the warranty,

- the max. repair term should be exceeded

- in case of the absence of a service, it should be determined in the report to be established by the seller, distributor, agency, representation, importer or manufacturer of the product, respectively, that the product is not able to be repaired.

- Defects due to usage of the product contrary to the issues indicated in the user's guide are excluded from the scope of the warranty.

- The Ministry for Industry and Trade, General Directorate for the Preservation of Consumers and Competition can be referred to in case of disputes arising out of the warranty certificate.

At the usage of this warranty certificate: it is issued pursuant to the documents obtained the Republic Turkey, Ministry for Industry and Trade, General Directorate for the Preservation of Consumers and Competition pursuant to the Code Regarding the Preservation of Consumers No 4 and the Directive Regarding the Application Principles of Warranty Certificates based on this Code.  
Date: December 18th 2007, Certificate No.: 47086

## AUTHORIZED SERVICE

MANUFACTURER COMPANY / Central Service

TITLE : Eleks Elektrik Elektronik Sistemleri  
Sanayi ve Ticaret Limited Şirketi

ADDRESS : Şerifali Mah. Bayraktar Bulvarı  
Emin Sok. No:3 Yukarı  
Dudullu - Ümraniye / İSTANBUL

PHONE : 0216 463 47 28 - 29 - 30

FAX : 0216 463 47 31

E-mail : [eleks@eleksyengin.com](mailto:eleks@eleksyengin.com)

Web : [www.eleksyengin.com](http://www.eleksyengin.com)



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2765-CPR-0096

2765-CPR-0095

2765-CPR-0099

EN 54-5  
Point Type Heat Detector  
**Efire-EHD-A Efire-AHD-B Efire-EHD-A-RL**  
Performance Declaration No: ELEKS-005.00

EN 54-7  
Point Type Smoke Detector (Spread Light)  
**Efire-EOD Efire-EOD-RL**  
Performance Declaration No: ELEKS-006.00

EN54-5 / EN54-7  
Point Type Combined Detector (Optical+Temperature)  
**Efire-ECD Efire-EOD-RL**  
Performance Declaration No: ELEKS-004.00

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## Efire Series Conventional Type Fire Alarm Detectors\* USER'S GUIDE

EOD  
Optical Smoke  
Detector

EHD  
Fixed Temperature  
Detector

ECD  
Combined  
Detector

**WARNING: PLEASE READ THESE INSTRUCTION CAREFULLY  
PRIOR TO OPERATING OR COMMISSIONING THIS DEVICE**

\*Conventional Optical Smoke Fixed Temperature and Combined Detectors according to the  
EN 57-7 and EN 54-5 standards.

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