

CONVENTIONAL FIXED TEMPERATURE THERMAL DETECTORS DFJ-60E, DFJ-90E AND RATE-OF-RISE DETECTORS DCD-1E, DCD-2E, DCD-R1E

Conventional heat and rate-of-rise detectors measure the temperature or the rate of temperature rise in their ambient air providing early warning of fire to the fire detection system, when the pre-set limits are exceeded.

Detectors are compact and fit well to the furnishing of the site to be protected. They have two LEDs providing visibility to all directions and the alarming detector can be seen easily.

In heat detectors and rate-of-rise temperature detectors temperature is measured by heat sensitive thermistors. One measures the ambient temperature and the other one the reference temperature inside the detector. Heat detectors give an indication when a pre-set fixed temperature limit is exceeded.

FIXED TEMPERATURE DETECTORS DFJ-60E AND DFJ-90E

Heat detectors are suitable for sites where there is usually lots of smoke, dust, exhaust gases and where temperature fluctuations are common. They are recommended to be used in kitchens, entries, garages and in car parking sites, waste container shelters, boiler rooms, dressing rooms of saunas or washrooms and unheated premises.

DFJ detector is installed easily by putting it into its base and simply turning it.

In the attached picture are the DFJ-60E and DFJ-90E (on left) detectors.



Technical specifications of DFJ-60E and DFJ-90E

Dimensions incl. base (Ø x H)	100 x 47 mm
Weight with base	105 g
Colour	White
Operating temperature	-10°C ... +50°C
Actuating temperature	fixed temperature
DFJ-60E	+60°C
DFJ-90E	+90°C
Max. relative humidity	95%
Operating voltage	15 ... 30 VDC
Stand-by current	35µA
Enclosure class	IP20
Tested	DFJ-60E EN54-5, Grade 2
	DFJ-90E EN54-8, Range 1
Esmi product numbers	
DFJ-60E	06402160
DFJ-90E	06402190

Specifications are subject to change without notice.

DCD-1E, DCD-2E, DCD-R1E RATE-OF-RISE AND FIXED TEMPERATURE DETECTORS

Rate-of-rise detectors give an alarm when the temperature rises at a rate exceeding the permitted rate, or when the slowly rising temperature exceeds the alarm limit.

Different colour fire LEDs are used to distinguish between the fixed temperature and rate-of-rise alarms.

Rate-of-rise detectors are suitable for sites where smoke detectors cannot be used because of contaminated air, for example such as kitchens, restaurants, cafés and waiting rooms.

DCD detector is installed easily by putting it into its base and simply turning it.

Technical specifications of DCD-1E, -2E and -R1E

Dimensions incl. base (Ø x H)	100 x 47 mm
Weight with base	105 g
Colour	White
Operating temperature	-10°C ... +50°C
Max. relative humidity	95%
Operating voltage	17 ... 35 VDC
Stand-by current	35µA
Actuating temperature	
- +54°C ... +62°C Fixed temperature	
- Temperature rise 1°C / min, Response time 29 ... 37.5 min	
- Temperature rise 30°C / min, Response time 15 s ... 90 s	
Enclosure class	IP20
Tested	DCD-1E EN54-5, Grade 1 DCD-2E EN54-5, Grade 2 DCD-R1E EN54-8, Range 1
Esmi product numbers	
DCD-1E	06404110
DCD-2E	06404120
DCD-R1E	06404130

Specifications are subject to change without notice.



The picture above presents the detectors DCD-1E (upper left), DCD-2E (upper right) and DCD-R1E (bottom).

NOTE !

It is strictly recommended not to cover or paint these detectors.

Detectors have to be installed according to installation instructions.

Function of detector must be tested at regular intervals.

Recommended cleaning procedure of smoke detectors is according to the recommendation of the manufacturer.

Concerning information of the compatible bases please refer to datasheets of the YB series bases.