



PANASONIC

Panasonic 2811 ATEX heat detector DCD-1E-IS

Product code 41550 · Fire alarm systems > Field devices > Ex detectors

Intrinsically safe (IS) conventional heat detector for hazardous areas. A rate-of-rise detector that also has a fixed trigger temperature of 60 °C.

- > ATEX II 1 G Ex ia IIC T5 Ga, category 1 (zones 0, 1 and 2)
- > Rate-of-rise and 60 °C fixed temperature detection
- > Two indicators, 360° visibility
- > Remote indicator connection
- > Mounting base without electronics
- > LPCB, GL and IECEx approvals



Product description

Panasonic 2811 (Hochiki DCD-1E-IS) is an intrinsically safe conventional heat detector for hazardous areas such as chemical plants, paint factories and other process facilities handling flammable gases. The detector responds to a rapid rise in temperature and also has a fixed trigger temperature of 60 °C.

The detector is ATEX rated II 1 G Ex ia IIC T5 Ga ($-20\text{ °C} \leq T_a \leq +55\text{ °C}$), so it is suitable for category 1 areas and all lower categories. A device designed to be intrinsically safe does not store enough energy to produce a spark or an igniting surface temperature, even in a fault condition. The two indicators are visible from all directions, and the detector has a remote indicator output. The manufacturer also offers a white version of the detector, DCD-1E-IS(WHT).

Installation

The detector is installed in a mounting base without electronics (e.g. the 2812 ATEX mounting base). The conventional zone line in the Ex area is connected to the fire alarm control panel via a Zener barrier or galvanic isolator (e.g. MTL5561, 2820) located in the safe area. Up to 20 IS detectors can be connected to one zone line.

Technical data

Product code	41550
Manufacturer	Panasonic
Product group	Fire alarm systems > Field devices > Ex detectors
Weight	97 g
Dimensions	Ø 100 × 40 mm
IP rating	IP63
ATEX certificate	BAS01ATEX1021X

ATEX classification	II 1 G Ex ia IIC T5 Ga (-20 °C ≤ Ta ≤ +55 °C)
Operating voltage	15-30 V DC
Operating temperature	-10...+55 °C
Manufacturer's code	Hochiki DCD-1E-IS
Detection principle	Rate of rise + fixed 60 °C
Approvals	LPCB, GL, IECEx

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Technical datasheet: Panasonic 2811 ATEX heat detector DCD-1E-IS

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/panasonic-2811-atex-lampoilmaisin-dcd-1e-is/