

# thermokon®

HOME OF SENSOR TECHNOLOGY

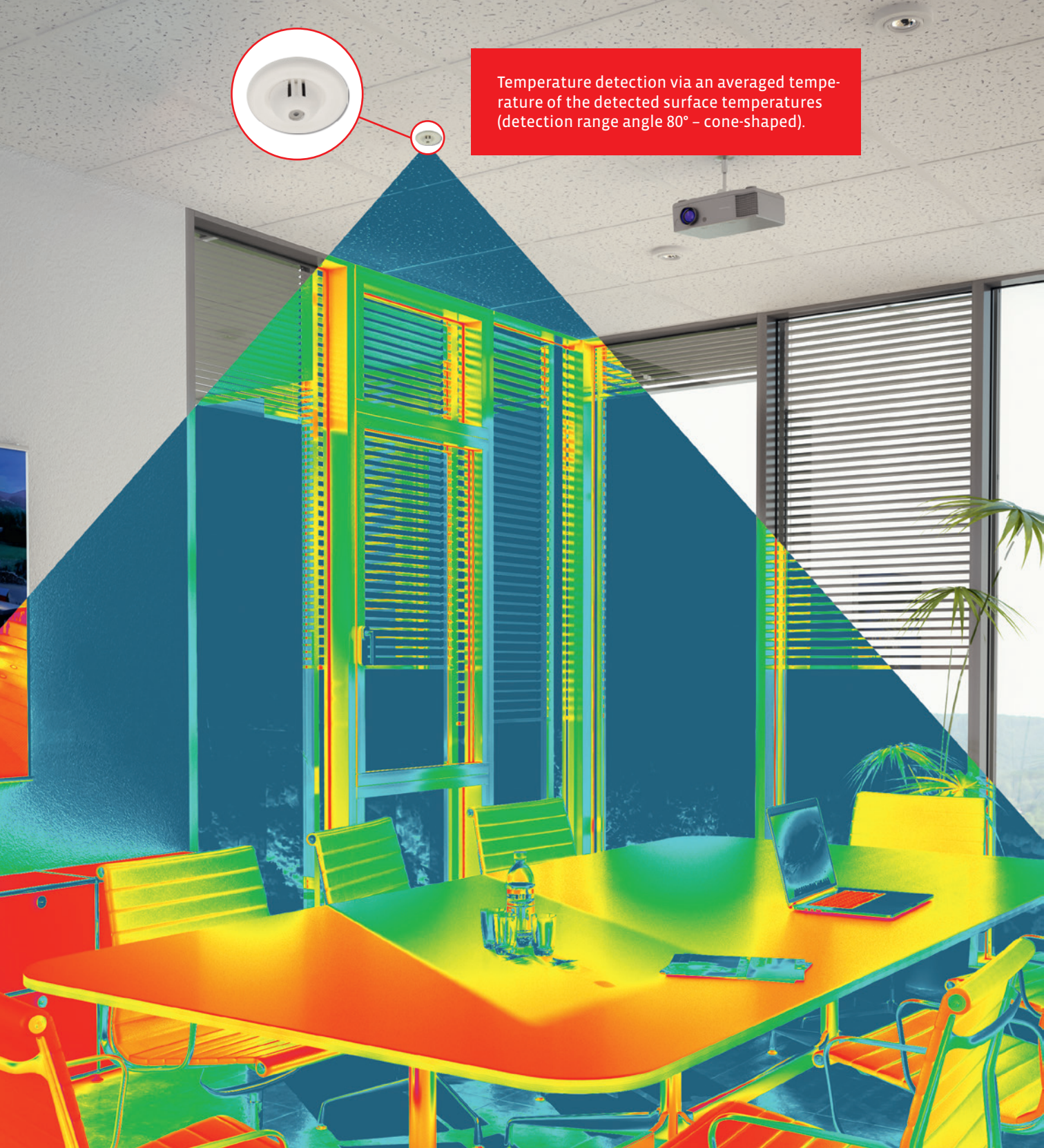


## RDF-IR

CEILING FLUSH-MOUNTED SURFACE TEMPERATURE SENSOR



CEILING FLUSH-MOUNTED SURFACE TEMPERATURE SENSOR



Temperature detection via an averaged temperature of the detected surface temperatures (detection range angle 80° – cone-shaped).

RDF-IR



Ceiling flush-mounted sensor for surface temperature measurement (in rooms, office spaces...). Using the infrared measuring principle, an averaged temperature over the circular detection range (optical detection range 80°) is performed.

If two IR sensors are used, the mean, minimum or maximum value of both temperature signals can be provided in addition to the individual temperatures of each sensor (configurable via Thermokon USEapp).

TECHNICAL DATA

Measuring values	radiation temperature
Output voltage	0..10 V or 0..5 V (adjustable via jumper; live-zero configuration via Thermokon USEapp)
Power supply	15..35 V = or 19..29 V ~ SELV
Power consumption	typ. 0,6 W (24 V =)   1,5 VA (24 V ~)
Mesuring range temp.	-40..+60 °C   0..+50 °C   -20..+80 °C   -15..+35 °C, adjustable at the transducer, default setting: 0..+50 °C
Sensor	PIR (passive infrared), optical aperture angle (50% sensitivity): 80 ±5°
Enclosure	USE-M, PC, pure white
Protection	IP30 according to EN 60529, enclosure IP65 according to EN 60529
Cable entry	Flextherm M16 for wire Ø=3.7 mm, removable
Connection electrical	removable plug-in terminal, max. 2,5 mm <sup>2</sup> , sensor wire (patch cable) length=1 m (default), max. 10 m, plug RJ45
Ambient condition	-20..+70 °C, max. 85% rH non-condensing
Delivery contents	incl. mounting base enclosure USE-M pure white

Ceiling flush-mounted temperature sensor – active 0..10 V

Item description	USEapp	Item. No.	TP1 €
RDF-IR V L1000	✓	699150	145,00
RDF-IR VV L1000	✓	699167	190,00

THE USE FAMILY FOR EASY AND FAST MOUNTING

The innovative enclosures of the USE family are setting new standards: Mounting of sensors is easier, faster and more comfortable than ever before. USE makes the decisive difference.



RJ45



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