

FT10-RT433-IS



Wireless temperature transmitter

This completely new and innovative wireless temperature transmitter is perfectly suited for even the most challenging temperature self-surveillance targets. It consists of two parts - the radio transmitter and the measuring module - that are watertightly connected together. The measuring module FT10-IS is easily and quickly user-replaceable with a recalibrated measuring module to enable easy, economical and non-interrupting recalibration of the whole temperature surveillance system.

The device is certified to fulfill the requirements of EN13485 standard, so it can be used to monitor the temperatures of

foodstuffs storage facilities.

The radio transmitter FT10-RT433 is equipped with an efficient 433.92 MHz radio transmitter and with a detachable quarter-wave whip antenna. This enables transmissions out of closed steel cabinets and other difficult targets. Carefully designed electronics still enable the battery to last longer than the usual two-year recalibration period. The battery is always replaced during the factory recalibration so the user need not worry about replacing the batteries!

Availability

available from April 2009

Input details

inputs	Pt100
accuracy	< 0.5°C
input channels	1
measuring range	-30...+60°C

Radio details

transmission interval	5 s... 5 min
coverage range	open space up to 1000 m

Output details

output channels	1
outputs	433 MHz radio signal

Connection details

programming	MekuWin or 6790
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Power supply

supply voltage	Battery: 1.5 V AA alkaline or 3.6V AA LiSOCl ₂
battery life	1.5 V: >2 years and 3.6 V: >5 years (80 s transmission interval)

Sensor details

sensor type	Pt100
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General information

maximum ambient temperature	70°C
minimum ambient temperature	-40 °C
case material	plastic (PC and ABC+PC)
protection class	IP67
approvals	CE and EN13485

Related products



DPR990

Wireless receiver, GSM modem and PromoLog data acquisition system