

WIRELESS TEMPERATURE TRANSMITTER TEUFL

TEUFL is a wireless transmitter for detecting outdoor temperatures. TEUFL transmitter can send two signals to the base station, temperature and 0...10 Vdc signal or DI contact information (TEUFL-DI models). There is a two-way communication between the transmitter and base station.

The transmitter can be battery supplied (TEUFL ja TEUFL-DI) or equipped with external 24 Vac/dc supply (TEUFL-24 and TEUFL-DI-24).

TEUFL transmits the signals to the base station at the 6 s... 30 min intervals. The interval can be set with the potentiometer on the device circuit board (DI information is sent when the contact position changes). Battery life depends on the selected transmission interval.

Commissioning is done by using wireless FLSER configuration tool.

The transmission area can be extended by using 1...8 FLREP or FLREP-U repeaters between transmitters and the FLTA base station.

The transmitter is aware of the network functions and informs possible network problems and service needs with an indicator light. The same error information is delivered to FLTA base station which can forward the information to the building management system.

Indicator light functions during operation:

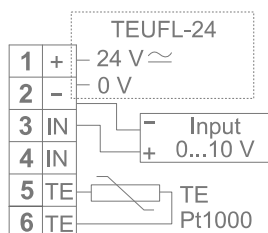
1 flash / 2 s	network error and battery alarm
1 flash / 4 s	battery alarm
1 flash / 8 s	network error

Indicator light functions during transmission interval setting:

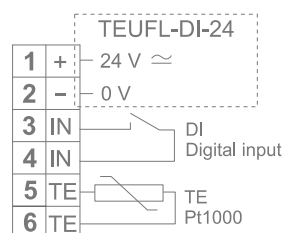
6 s	1 flash
1 min	2 flashes
5 min	3 flashes
15 min	4 flashes
30 min	5 flashes

Wiring:

TEUFL/TEUFL 24



TEUFL-DI/TEUFL-DI-24



Technical data

Supply	3,6 V lithium battery, 2 Ah or 24 Vac/dc
Frequency	868.30 MHz Class 1
Range	500 m in line of sight 20...100 m in buildings
Transmission power	+8 dBm
Reception sensitivity	-109 dBm
Modulation	FSK
Accuracy:	
temperature	±0,5 °C, (25 °C)
voltage	1 %
Operating conditions:	
temperature	-40...+50 °C
humidity	0...100 % RH (non cond.)
Measuring range:	
temperature	-50...150 °C
voltage	0...10 V
Housing	PC plastic, IP54
Battery life with different transmission intervals:	
6 s	1 year
1...5 min	3 years
15...30 min	6 years
Battery life after start of alarm	3 months

Ordering guide:

Model	Product number	Description
TEUFL	1191100	wireless temperature transmitter
TEUFL-24	1191101	wireless temperature transmitter, 24 Vac/dc supply
TEUFL-DI	1191100	wireless temperature transmitter, DI
TEUFL-DI-24	1191101	wireless temperature transmitter, DI and 24 Vac/dc supply
A04491	A04491	battery

Products fulfill the requirements of directives 2004/108/EC, 2006/95/EC, 1999/5/EC and 2000/299/EC and are in accordance with the standards EN61000-6-3 (Emission), EN61000-6-2 (Immunity), EN60730, EN300220-2 and EN301489-3.