

## WIRELESS TEMPERATURE TRANSMITTER TEUFL

TEUFL is a wireless transmitter for detecting outdoor temperatures. TEUFL transmitter can have two transmittable information pieces: temperature and voltage (0...10 V) or digital input state (TEUFL-DI models). Communication is bidirectional between the base station and transmitter.

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

The measured values are transmitted to the base station in 6 s...30 min intervals. The transmission interval can be set using the potentiometer on the transmitter circuit board (DI information is transmitted when the state changes). Battery life depends on the chosen transmission interval.

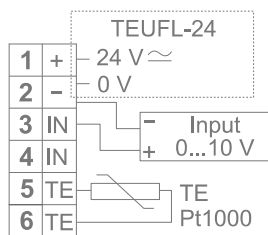
Commissioning is done by using wireless FLSER configuration tool.

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

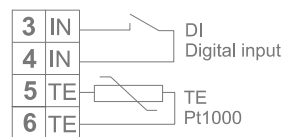
The transmitter is aware of the network functions and informs the possible network problems and service needs with an indicator light. The same error information is delivered to FLTA base station which can forward the information to the building management system.

### Wiring:

#### TEUFL/TEUFL 24



#### TEUFL-DI



### 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
Measuring ranges	
temperature	-50...150 °C (TEUFL/TEUFL-24) 0...50 °C (TEUFL-DI)
voltage	0...10 V
Accuracy	
temperature	±0.5 °C, (25 °C)
voltage	±1 %
Operating conditions	
temperature	-40...+50 °C
humidity	0...100 % RH (non cond.)
Housing	PC plastic, IP54
Estimated battery life with different transmission intervals:	
6 s	1 year
1...5 min	2 years
15...30 min	4 years

### 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
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.