



## EXTERNAL TEMPERATURE SENSOR



LABEL

### 1 General Information

1.1 External temperature sensor (hereinafter, the TS) is designed for the temperature measurement and it's control within the preset range.

1.2 The TS is designed for operation in assembly with the wireless temperature detector «Celsius-RK» (hereinafter, Celsius-RK).

1.3 The TS power supply is provided from Celsius-RK.

1.4 The TS is designed for continuous and uninterrupted operation in heated and unheated premises.

### 2 Features

Table 1

Features	Value
Power supply	from Celsius-RK
Measurement error, maximum: - within the temperature range from minus 10 up to +85 °C - within the temperature range from minus 55 up to minus 11 °C and from +86 °C up to +125 °C	±1,0 °C ±2,0 °C
Operating temperature	from minus 55 up to +125 °C
Permissible relative humidity at plus 25 °C, maximum	95 %
IP rating	IP65
Dimensions with the cable group, maximum	∅ 7 x 1050 mm
Weight, maximum	25 g

Made in Russia

Rev 0 of 26.11.15  
№00180

«RIELTA» JSC, [www.rielta.ru](http://www.rielta.ru),

Chapaeva Str. 17, Saint Petersburg, Russia, 197101, [rielta@rielta.ru](mailto:rielta@rielta.ru),

Tel./fax. +7 (812) 233-0302, 703-1360,

Technical support, tel. +7 (812) 233-29-53, 703-13-57, [support@rielta.ru](mailto:support@rielta.ru).

### 3 Scope of Delivery

Each TS unit package contains the items listed in Table 2.

Table 2

Name	QNT.
External temperature sensor (TS)	1 pc.
External temperature sensor, label	1 copy

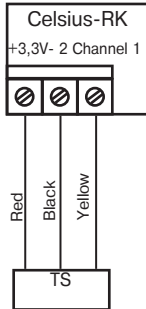


Figure 1

### 5 Storage and Transportation

5.1 The TS in its original packing may be shipped by any transport means in covered vehicles (in railway, cars, trucks, sealed heated compartments of aircraft, ship cargo holds, etc). The TS is resistant to:

a) transport jolting with the acceleration of 30 m/sec<sup>2</sup> with impact frequency range from 10 to 120 impacts/sec or 15000 impacts with the same acceleration;

b) the ambient temperature minus 50 ... +50 °C;

c) relative air humidity (95 ± 3) % at the ambient temperature +35 °C.

5.2 After transportation under the conditions, different to exploitation conditions, the TS will be ready to operate after a maximum of six hours.

5.3 The storage room should be free from current-conducting dust, acid vapors, alkali and gases that cause corrosion and destroy insulation.

### 6 Manufacturer's Guarantees

6.1 The Manufacturer guarantees conformity of the TS to its Technical Specifications if conditions of transportation, storage, assembling and operation are observed. The guaranteed storage period is 15 months since the date of manufacturing the TS.

6.2 The guaranteed period of operation is 12 months.

6.3 Battery life – not less than 36 months since the date of commissioning within the storage period guaranteed.

6.4 The TS that is found to non-conforming to its Technical Requirements shall be repaired by the Manufacturer, provided the installation and operation rules have been complied with.

### 7 Acceptance and Packing Certificate

External temperature sensor TS,

lot № \_\_\_\_\_

manufactured in accordance with current technical documentation is classified as fit for operation and is packed by «RIELTA» JSC.

Person responsible for acceptance and packing

QC representative \_\_\_\_\_

\_\_\_\_\_  
Date, month, year