

T70-USA Tx Description

The T70-USA Tx is a part of the system "Telestart T70". This system works by radio frequencies and is designed for remote controll parking heater systems. It consists of transmitter and receiver. Both parts work at 916,5MHz. A uniquely ID is used for identification.

The T70-Tx is the transmitter in the system. It has two buttons. If the left Button is pressed an ON telegram is transmitted to the receiver. If the right button is pressed an OFF telegram is transmitted. The modulation is FSK with a deviation of $\pm 20\text{KHz}$. The data rate is 4800Bit/s (Miller Code). The transmitter automatically goes in the OFF state after the telegram, also if the button is pressed longer.

During transmitting the telegram a LED is lighted up.

By pressing both buttons the index of the telegrams can be changed. One index starts the heating system of the car in winter and at hot temperature in summer the other index starts the ventilation.

Two batteries works as power supply. They are 12V types and are connected parallel, decoupled with two diodes. The voltage of the battery is regulated at 4.0V. All internal parts works at this voltage.

Two states of battery warnings are integrated.

1. The LED is blinking (orange color) for about 5s if the battery voltage is going below 5V at the end of the telegramm.
2. The transmitter is going to the OFF state and the LED is lighted up (orange color) for about 5s if the battery voltage is going below 5V at the middle of the telegramm.

The length of the telegram is about 200ms.

To activate the transmitter one button has to be pressed more then 1 s.

Technical Parameter:

Centre Frequency	916.50MHz
Radiated Power	-5dBm
Modulation	FSK
Deviation	$\pm 20\text{KHz}$
Current Consumption	45mA
Power Supply	2x12V Battery
Operating Temperature	0°C ... +50°C

01	01.10.02	erstellt	H.Anders	
Index	Datum	Aktivität	bearbeitet /Name	Signum
 digades digades GmbH Äußere Weberstraße 20 02763 Zittau Tel: 03583/5775-0 Fax: 5775-45 Internet: www.digades.com E-Mail: contact@digades.com			Benennung T70-USA Tx	Blatt 130
Nr.	0111001761100		Name	Datum
Index	01	Seite 1 von 1	freigegeben: B.Heinrich	Unterschrift
			Dokument/Datei: Description T70-USA Tx.doc	