

Alarm Transmitter U971

Features

- Small, wrist watch size
- Can be worn attached to clothes with a clip
- Programmable multifunction pushbutton
- Long life lithium battery
- Self check during transmission



General

U971 is a wrist watch sized alarm transmitter used together with the U981 alarm receiver as an independent alarm system, or in an ordinary telePROTECT 900 alarm system.

Alarms are transmitted in the UHF radio band. The code format is fully compatible with the teleCOURIER 900 paging system. Alarms can also be sent directly to a pager with a special version of the U971.

Application and Operation

Alarms are generated by pressing the alarm pushbutton. Different types of alarms can be transmitted depending on whether the button is pressed once or twice. Alarm is indicated on a LED on the transmitter.

The type of alarm and pushbutton function are programmed in an internal EEPROM.

Maximum range for the transmitter is about 100 meters at line of sight when used together with the U981 alarm receiver.

Technical Specifications

Dimensions:	46,4 mm circular diameter 12,2 mm height
Weight:	35 g incl. batteries and bracelet 25 g incl. batteries 20 g excl. batteries
Temperature range:	-10 to +55° C
Current consumption:	0 μ A in standby < 8 mA when transmitting
Battery type:	2 x 3,0 V lithium cell CR1616
Battery life:	10 000 alarms
Self degradation:	about 10% per year
Case:	Polyamide plastic (PA6), grey Dust and waterproof IP64
Transmitter Section	
Frequency range:	425–475 MHz
Modulation:	FSK. 3,0 kHz deviation at 25 and 20 kHz channel spacing 1,5 kHz deviation at 12,5 kHz channel spacing
Antenna:	Integral
Radiated power:	> 5 μ W ERP
Frequency stability:	max. \pm 2,5 kHz at extreme temperatures and battery voltages.
Spurious emissions:	< 4 nW up to 1 GHz < 250 nW over 1 GHz

Accessories

Bracelet
Necklace