K-TERM 70 User Manual

Copyright Notice

Trademarks

K-TERM is a registered trademark of Kilchherr Elektronik AG.

FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

1 Content

2 Important Notes / Security

- This unit may only be opened, configured and installed by authorized service dealers.
- When opening the unit, ESD protection has to be observed.

3 Opening the unit

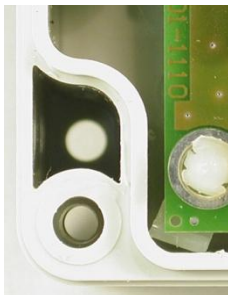The K-TERM70 unit is opened by unscrewing the 4 screws on the front cover. This unit may only be opened, configured and installed by authorized service dealers. When opening the unit, ESD protection has to be observed.

4 Installation

Open the unit for installation. There are 4 mounting holes, see drawing.

The mounting holes are outside the electronic chamber. This ensures, that the box remains IP65 protected.
Special mounting brakes are available. Please contact us for more information.

The transmission range of the beacon depends on how the beacon is placed. Please avoid covering the front part of the case with metallic parts.

We recommend testing the range of the beacon after installing the unit.

While the unit is open, do not touch the electronic components (ESD)!

5 Parameter / Configuration

The following parameters can be set:

- Bacon Number.
- Transmission interval in milliseconds
- Power level
- Status bit

A programming unit is required for setting these parameters. The following parts are required:

- K-TERM70 Programing box
  Item No: 6.01.29.0200
- K-TERM70 Programming software
- Programing manual (K-TERM70 Programmierung.pdf)

The required parts and software can be ordered by Kilchherr Elektronik AG (authorized service dealers only).

6 Setup

For starting the K-TERM70 please follow the instructions show on the inside of the K-TERM70 cover. The unit is shipped with the power jumper OFF. Set the power jumper to the on position for operation.

7 Changing the battery

The battery voltage is monitored internally and transmitted with every transmission. The value can be monitored with a decoder module. The battery should be replaced if the voltage drops below 3.0Volts. Please follow the instructions below:

- Open the unit
- Remove Jumper J102
- Remove the printed circuit board from the plastic supports
- Replace the battery. Please observe the battery polarity and do not short circuit the connecting wires!
- Follow the setup instructions (see above).

8 Technical data

Case	Polycarbonat
	120 x 80 x 55 mm
	IP65 / DIN EN 60529 / UL listed
Weight	300 Gramm
Battery	3,6V 19Ah Size D(R20)
	Professional Lithium Battery (not rechargeable)
	Lithium/Thionylchlorid (Li/SOCl$_2$)
	Live time 2-3 Years (depending on the configuration).
Temperature range	Operation: -20°C to +70°C
	Storage: -25°C to +85°C
Transmitter	916.5 MHz
Modulation	ASK / 43Kbit
Power Transmitter	1.5 dBm maximum
Transmission cycle	apr. 4 milliseconds

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