

K-TERM 44

Option Board for Motorola Radios DP4xxx(e)

Description

The K-TERM 44 option board is installed in Motorola radios. There are different versions available with man down sensor and beacon receiver for in-house localization.

Versions

ManDown Version

The man down version is used to send emergency messages:

- » Man-Down-Alarm with pre alarm
- » No movement alarm
- » Manual alarm
- » Lone worker alarm
- » External alarm via button

Customized version

Today's requirements are very versatile. In order to support different applications, we offer adaptations based on the following modules:

- » 5 ton signaling
- » Train shunting
- » Communication with external units (Bluetooth, etc.).

For Motorola Radios

The K-TERM 44 option board can be installed into the following radio units:

Portable radios



DP440x, DP460x, DP480x, DP3441*
(including e-radios)

Mobile radios



DM440x(e), DM460x(e)*

* EMEA radio types. For corresponding radio model types in other regions, please see document «K-TERM 44 Option Board Support for different radio models and regions.pdf».

The following messages may be sent on alarm:

- » Motorola Alarm Message
- » TX monitoring
- » SDS message with GPS, distance and direction information
- » Remote telemetry steering
- » Play prerecorded wav files
- » Localization sounds
- » K-TERM alarm message to base.

Every alarm functionality is selectable per channel.

Compatibility to K-TERM 42

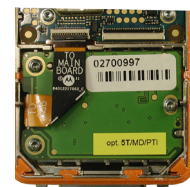
The K-TERM44 option board is compatible to the older K-TERM 42 option board (DP/DM3xxx).

Beacon Receiver Version

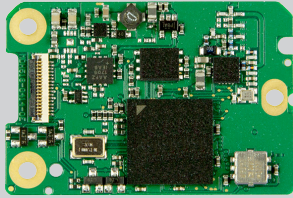
The K-TERM 44 BRMD version is equipped with a beacon receiver module and man down sensor. This version includes all man down functionality (see above) and detects the K-TERM beacon signals. Detected beacons are reported to the base. Depending on the radio system, optimization techniques are used to transport data efficiently to the base. In case of an emergency, the last three beacon positions are sent to the base. This allows to localize the radio without delay.

Installation

The radios provide a mounting space for the option board. The required mounting material like screws and flex cable is supplied with the option board.



Option board installed in DP4xxx radio.



K-TERM 44

Option Board for Motorola Radios DP4xxx(e)

Programming

The K-TERM CPS program is required in order to configure the functionalities of the option board. Once the option board is installed, the Motorola programming cable is used to connect the option board with the K-TERM CPS program.

Related products

The following products may be used in a system together with the K-TERM44 option board:

- » K-TERM 72 Beacon for in-house localization.
- » K-TERM 82 IO Box for telemetry and IO applications.

Varianten

DP 440x, DP460x, DP480x (e)

K-TERM 44 5Ton Option Board	6.01.15.5001
K-TERM 44 Ton & Mandown Option Board	6.01.15.5002
K-TERM 44 Mandown Option Board	6.01.15.5003
K-TERM 44 Beacon 868.35MHz & Mandown	6.01.15.5123

DP 3441 (e)

K-TERM 44 5Ton Option Board	6.01.15.7001
K-TERM 44 5Ton & Mandown Option Board	6.01.15.7002
K-TERM 44 Mandown Option Board	6.01.15.7003
K-TERM 44 Beacon 868.35 MHz & Mandown	6.01.15.7123

DM 440x,DM460X (e)

K-TERM 44 5Ton Option Board	6.01.15.6001
K-TERM 44 Beacon 868.35MHz	6.01.15.6123



KILCHHERR ELEKTRONIK AG

Aeschstrasse 25
3110 Muensingen
Switzerland

phone: +41 31 721 36 95

email: info@kilchherr.com

web: www.kilchherr.com