RF800-K

LW option board / localization
for Kenwood portable radio NX200/NX300

The RF800-K is compatible with the range of Kenwood Portable Bluetooth DMR radio and the RF800-B indoor localization beacons.
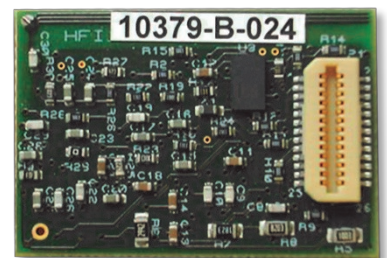
It has been designed to be used through applications such as Lone Worker Safety with indoor localization system using 868 Mhz radio beacons (ref. RF800 -B) and real time Tour Management (when the portable radio is appaired with the CP600-RF or RFID tag reader).

LW Function:
Its electronic architecture with an accelerometer which can detect the tilt angle and / or the stillness , depending on its configuration mode. A delay of pre-alarm beep to alert the user allows him to cancel the alarm process before the activation of the emergency mode of the radio.
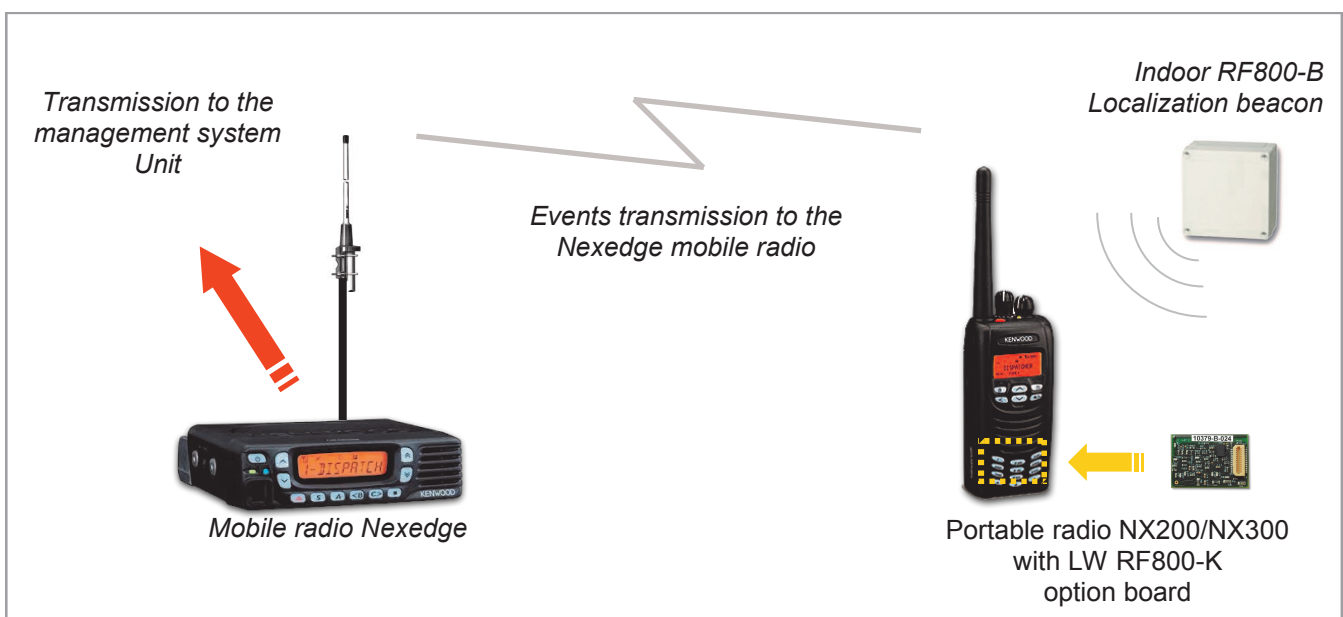
Localization Function:
When the portable radio,paired with a BlueLoc, pass into the coverage area of a RF800 -B beacon , the identification code of the beacon and the portable are transmitted in real time on the radio network. This event can be transmitted either permanently (tracking mode) or only in case of LW alarm.
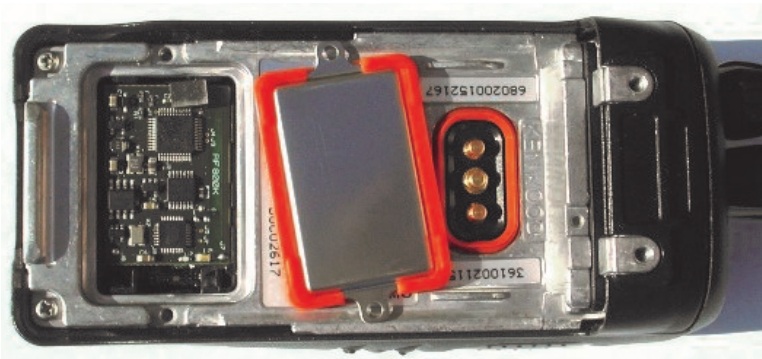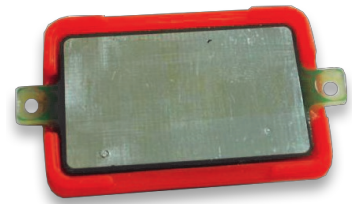

Carte option PTI
RF800-K

The Setup interface makes easy the customization of following settings:
- Mode choice : loss of verticality and / or stillness
- Time period for the pre-alarm sound
- Duration of the pre-alarm sound before activation of the portable emergency mode
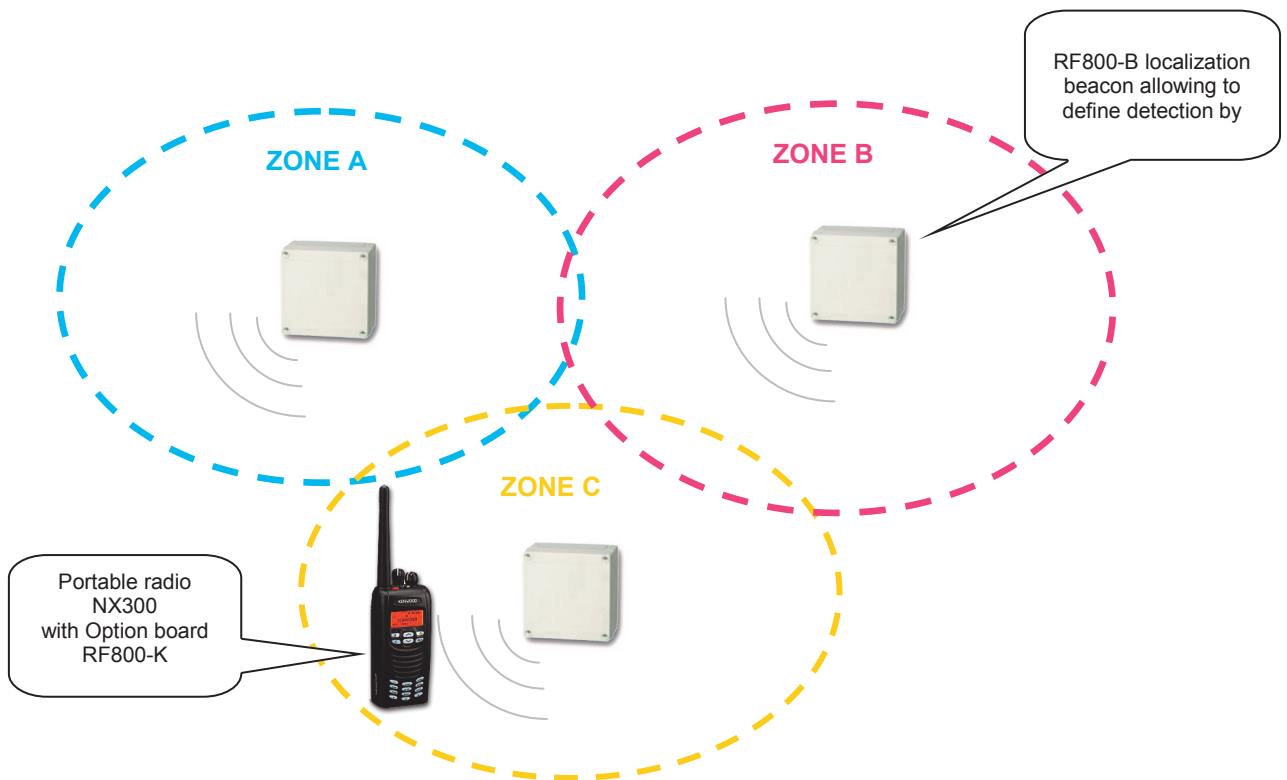

Transmission to the management system Unit

Indoor RF800-B Localization beacon

Events transmission to the Nexedge mobile radio

Mobile radio Nexedge

Portable radio NX200/NX300 with LW RF800-K option board

View of the RF800-K
option board intégration on
the Portable radio frame

RF800-KAC option board cover
(replacing the original one)
Optionnal module allowing to extend the
coverage of RF800-B beacon and to ensu-
re optimal working condition.

ZONE A

ZONE B

ZONE C

RF800-B localization
beacon allowing to
define detection by

Portable radio
NX300
with Option board
RF800-K

- Size: 33 x 23 x 3 mm
- Weight : 3 g
- Antenna 868 Mhz
- Operating temperature: -10 à + 50 degrés
- Storage Temperature: - 30 à + 80 degrés

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