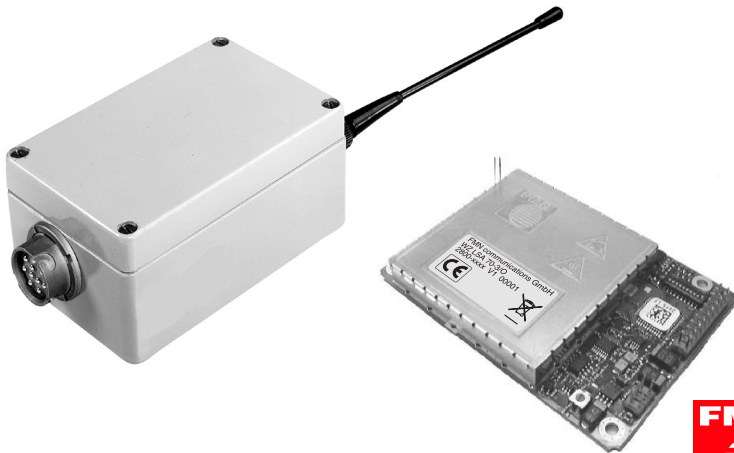


WZ LSA 70-3/O

Quick reference guide

Radio receiver in the 70 cm-band



1. Safety precautions



ATTENTION!

- **Do not operate the units in rooms with explosive atmosphere, damp environments or rooms with aggressive air or increased electromagnetic requirements.**
- **Mind the instructions for putting the device into operation.**
- **Fuse the unit at the voltage supply input UB_IN of the user interface by means of a fuse (min. 250 mA, max. 1 A).**
- **In case there is the danger of touching conductive parts due to improper use of the unit, the power supply has to be disconnected immediately.**
- **Do not open the unit, only permit repairs by the manufacturer.**



ESD protection measures

Comply with the ESD protection measures according to DIN EN 61340-5-1/2 when opening the unit (potential equalization between body and ground of the unit via high-value resistance (approx. 1 MOhm) e. g. over a usual wrist band).

Read the user manual carefully to be able to use the wealth of features of your new WZ LSA 70-3.

You can also find further information on our website <http://www.fmncom.com>.

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Amendments may be published without prior notification.

Notwithstanding the above declaration, the manufacturer accepts no liability for errors in these instructions or their consequences.

2. General instructions

- **The compliance with the operating instructions and the instructions for putting the device into operation is also part of the intended use. Every other use is considered as not intended. The manufacturer assumes no liability for damages resulting from such use.**
- **All connection cables have to be equipped with an earth-connected shielding.
The connection cable for the antenna has to be equipped with a wave impedance of 50 Ohm.**
- **The manufacturer recommends to mount devices in PCB version into a metal housing.**
- **Corresponding mechanisms are to be used for the detection of single bit errors during a data transmission (e. g. protocol with creation of check sum).**

3. General product description

3.1 Designation of the functional elements

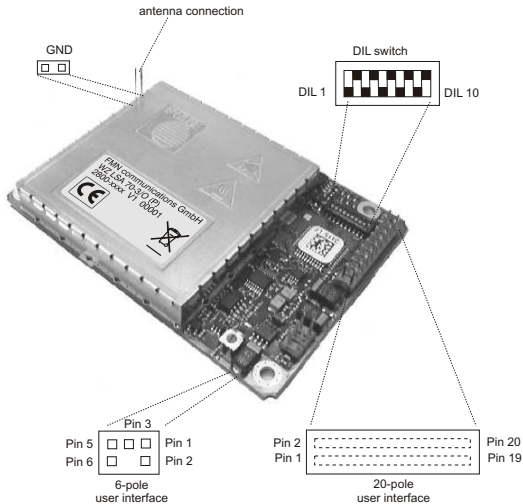


Figure 3-1: Designation of the functional elements (PCB version)

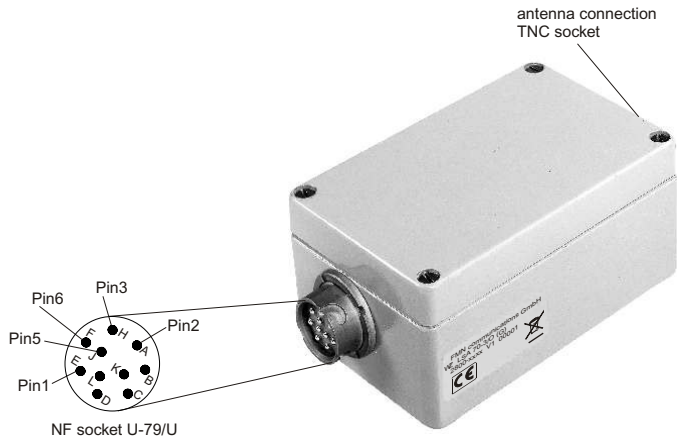


Figure 3-2: Designation of the 6-pole user interface (IP65 housing)

3.2 Interfaces at the unit

3.2.1 Pin assignment of the 6-pole user interface (IP65 housing)

Pin	Assinment	Function
1	UB_IN	Input (9 ... 15 V)
2	GND	Ground
3	NF_OUT	Output, analogue
4	not used	
5	RSSI	Output, analogue
6	GND	Ground

Table 3-1

3.2.2 Pin configuration of the 20-pole user interface (PCB version)

Pin	Assignment	Function
1	UB_IN	Input (9 ... 15 VDC)
2	GND	Ground
3	RSSI	Output, analogue
4	RX_BB	Output, analogue
5	AF_INT	Output, analogue
6	reserved	
7	DIL7	Input, digital
8	DIL8	Input, digital
9	not used	
10	GND	Ground
11	DIL9	Input, digital
12	DIL1	Input, digital

Pin	Assignment	Function
13	DIL2	Input, digital
14	DIL3	Input, digital
15	DIL4	Input, digital
16	DIL5	Input, digital
17	DIL6	Input, digital
18	GND	Ground
19	reserved	
20	GND	Ground

Table 3-2

4. Putting the unit into operation

4.1 Initial state of the unit after starting

see user manual WZ LSA 70-3

4.2 Memory selection at the user interface

see attached configuration list

5. Conformity

Herewith, the FMN communications GmbH declares that the unit WZ LSA 70-3 complies with the essential requirements and the other relevant provisions of the directive 1999/5/EG (R&TTE directive).

The unit WZ LSA 70-3 can be operated in the countries of the European Union (EU). Outside the EU, the national regulations of the respective country apply.

The complete declaration of conformity can be found in the Internet under <http://www.fmncom.com>.

For protection of the environment!

Printed on paper bleached without chlorine, with a maximum waste paper content of 50 %.



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