

**FCC:** 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.

Usually this is followed by the following FCC caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

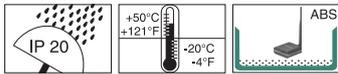
Contains transmitter module FCC ID: ZGHWIN1

**IC:** This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

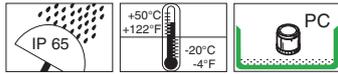
Contains transmitter module IC: 9619AWIN1

**WIN receiver**



**WIN transmitter**

860.640.05



**2. Function**

The WERMA wireless information network (WIN) in conjunction with a KombiSIGN 71 signal tower informs you about the current status of up to 50 machines.

**3. Specifications**

WIN	
ISM-frequency	915 MHz
transmission range	max. 300 m (unobstructed line of sight)
WIN transmitter	
dimensions	Ø 70 mm x 65 mm
current consumption	40 mA (max. 430 mA)
operating voltage	24 V AC/DC
Number of signal elements	max. 4
WIN receiver	
dimensions	80 mm x 76 mm x 31 mm
current consumption	max. 100 mA
operating voltage	USB

**Note:** The max. length of the USB cable in use with the receiver is 3 m.

**4.1 Installation -**

**WIN system KombiSIGN 71 860.640.04**  
**WIN complete KombiSIGN 71 860.640.06**

**System requirements:** Windows 2000 SP4, Windows XP, Windows Vista or Windows 7.

The installation requires the user to have administrator rights on the PC.

1. Insert the CD supplied into the CD-ROM drive of your PC
2. Installation starts automatically. Alternatively you can manually start the installation at: `<CD-Device>:\setup.exe`.



3. Follow the instructions.
4. After the successful installation, please start the software.
5. Follow programme instructions until the configuration is complete.
6. The pre-configured WIN transmitters can now be integrated into your signal towers. (see mounting 6.1)

**Note:** For additional information, please read the manual on the CD.

**4.2 Installation -**

**WIN transmitter KombiSIGN 71 860.640.05**

**Note:** The WIN transmitters, which are contained in the assembly (3 pieces) are already pre-configured.

1. Start the WIN-Software.
2. Disconnect the USB connection between the WIN receiver and your PC.
3. Connect the WIN transmitter via USB to your PC.



4. Follow programme instructions until the configuration is complete.
5. If there are more WIN transmitters to configure, please repeat the process from step 3 onwards.
6. Disconnect the WIN transmitter from your PC and re-connect the WIN receiver.
7. The WIN transmitters can now be integrated into your signal tower. (see mounting 6.1)

**Note:** For additional information, please read the manual on the CD.

**5. Supply voltage -**

**WIN transmitter KombiSIGN 71 860.640.05**

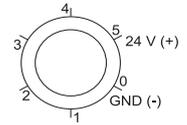
**Note:** The WIN transmitter uses the electrical connections of the signal tower. There are 2 possibilities:

**1. Passive power supply:**

If at least one signal tower is always active, the WIN transmitter does not need an additional power supply.

**2. Active power supply:**

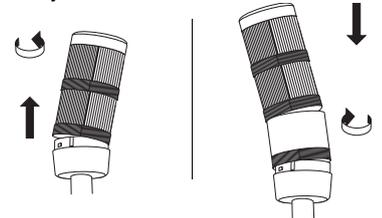
If there is no passive power supply (e.g. blinking light mode via PLC), the WIN transmitter needs a permanent operating voltage, which should be connected to pin 5, as shown in the diagram below (24 V AC/DC).



**6.1 Mounting -**

**WIN transmitter KombiSIGN 71 860.640.05**

1. Position the WIN transmitter as the first element of your signal tower. Observe the markings on the housing to connect the element correctly.



**6.2 Mounting -**

**WIN receiver 860.000.01**

**Please note:** The ideal wireless connection is achieved, if as few objects as possible are in between the WIN receiver and the WIN transmitter.

1. Fix the rubber base or the wall bracket to the housing.
2. Screw the antenna on to your WIN receiver.



**Note:** The WIN receiver does not need an separate power supply.

**7. LED diagnosis**

WIN transmitter		
Meaning	LED RED	LED GREEN
No connection with WIN receiver	x	
Connection with WIN receiver		x
WIN receiver		
Meaning	LED RED	LED GREEN
No connection with WIN transmitter	x	
Connection to at least one WIN transmitter		x

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