



Sensors Wx7xx with WiFi interface – Wx7xx family

SAFETY INSTRUCTION



Please read the following safety precautions carefully before using the appliance and keep it in mind during use! These information apply to the sensors W0710, W0711, W0741, W3710, W3711, W3721, W3745, W4710, W5714 and W7710.

Installation, commissioning, and maintenance must only be carried out by a qualified person in accordance with applicable regulations and standards.

- **Legislative conditions.** The sensor includes a radio transmitter operating in the non-license WiFi band. Used frequency and the transmit power are specified in the Technical Parameters. This band and transmit power are used in the European Union countries. If you are in another location, please make sure that can use device before turning it on for the first time.
- **Electromagnetic interference.** Do not use the device in places where the usage of WiFi devices is prohibited such as near sensitive medical devices, on the aircraft or in localities where explosive materials are used.
- **Operating and storage conditions.** Follow the recommended operating and storage condition as quoted in the Technical parameters. Do not expose the device to direct radiation of heat sources and sun. Do not install the device more than 2 m above the floor to avoid the risk of the device falling from a height.
- **Fire and explosion hazard.** It is not allowed to use this sensor within hazardous areas, especially those endangered by a potential explosion of combustible gases, vapours, or dust.
- **Device cover.** Do not operate the device without the cover.
- **Aggressive environment.** Do not expose this device to any kind of aggressive environment, chemicals, or mechanical shocks. Use soft tissue for cleaning only. Do not apply solvents or similar aggressive agents.
- **Failures and servicing.** Do not try to repair the device yourself. Any repairs may be carried out by suitably instructed service personnel only. If the device shows signs of unusual behaviour, power off the device instantly. Contact the distributor you have bought the device from.
- **Protection against water and dust.** The device has not a protection against the ingress of water and dust. Do not operate it in unsatisfied conditions.
- **Serviceability.** This device operates a wireless communication in the unlicensed radio spectrum of the WiFi network. From this reason the connection cannot be guaranteed under all circumstances. Never rely merely on the wireless equipment only for a critical communication systems (rescue systems, safety systems). Bear in mind that redundancy is essential for a systems with high level of the functional safety. See e.g. IEC 61508 for more information.
- **Recommended accessories.** Use accessories recommended by the manufacturer only.

Technical parameters – radio:

Frequency:	2400 – 2483.5 MHz
Transmit power:	18 dBm max.
Standard:	IEEE 802.11 b/g/n
Antenna for option Wx7xxQ:	Connector at WiFi sensor: RP-SMA male, antenna impedance: 50 Ω, antenna frequency: 2.4 GHz, antenna maximum gain: 2.2 dBi, antenna VSWR: < 1:2.5

EU Declaration of Conformity:

Hereby, COMET SYSTEM, s.r.o. declares, that the sensor Wx7xx family is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address www.cometsystem.com

Address of the manufacturer:

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