

## RF-Controller ZG bDW basicDIM Wireless OTD Art. no. 96636993

### Application

The RF-Controller ZG bDW is a wireless lighting controller designed for managing lighting fixtures in a local network. It can be directly mounted to a Zhaga-D4i certified luminaires via its Zhaga book 8 ed3 socket or via an interface accessory.

It uses TRIDONIC basicDIM Wireless technology and is directly accessible via a Bluetooth-enabled mobile or a tablet. The RF-Controller ZG bDW forms itself a wireless mesh network which use Bluetooth to connect from the mobile phone.

The RF-Controller ZG bDW is part of THORN UrbaSens PLAY, outdoor lighting control designed specifically for recreative sports and multi usage game area facilities. Using TRIDONIC 4remoteBT App, it becomes easy to change the lighting condition of a sports field using as many scene as needed. The RF-Controller ZG bDW can control up to 4 logical (DALI) groups of luminaires to assign static scenes.



### Functional description

- Controls up to 4 logical (DALI) groups
- Powered by DALI bus Firmware can be update 'on-the-air'
- Interface to physical push button via TRIDONIC DALI XC-G3
- Pre-programmed with dedicated profiles for UrbaSens PLAY:
  - 1 Group
  - 2 Groups
  - 3 Groups
  - 4 Groups
  - Repeater
- Up to 100m of outdoor wireless range in clear line of sight and above 4m height

#### Technical data

Supply voltage	19.5–22.5 V
Current Consumption	13 mA (30mA at start)
Frequency	2.4 - 2.483 GHz
Max. output power radio transceiver	< +20 dBm
Max. radio range in free sight	100m
Radio protocol	4.0
Ambient temperature	-40°C to +70°C
Max. casing temperature	72 °C
Storage temperature	-40 to +85 °C
Vent humidity range	0 to 90%
Dimensions	Ø79.7 x 38.5 mm
Material	Housing material top: PC polycarbonate; Housing material: PBT
Color	Housing color top: Transparent smoke grey; Housing color body: Grey
UV resistance	F1
Protection type	IP66
Impact resistance	IK 09
Lifespan	Up to 100 000hrs