



# WL-BELL Intelligent Speaker

-For outdoor use



## General

Westerstrand WL-BELL is a part of Westerstrand Wireless Clock System for flexible installations. WL-BELL is a fully automatic sound generator with built in audio player, amplifier, and loudspeaker. The device has built in microcontroller and UHF receiver. It is fed from mains using an external ad/dc power supply (wall adapter).

WL-BELL can be used in schools for class change, in industries for break signalling or for sending out general messages or melodies. The unit is delivered with a SD memory card containing 16 pre-programmed sounds including bells, ringtones, and melodies. The customer can easily add or replace the sounds on the card.

WL-BELL is controlled from a Master Clock in the QWTIMEIII product range. It is possible to create up to 8 zones with different break times and/or other messages. Start time, zone and melody number is programmed in the Master Clock and is sent wireless to the unit prior to the play. Alternatively, if the wireless feature is not supported by the Master Clock, the device can be connected via wire.

WL-BELL for outdoor use supports several ways of power supply. It comes with a plug for connection to 230V, but it is also possible to use fixed installation. A third option is DC-power.

**WL-BELL** has four work modes. In wired use, the unit may have a continuous power supply or only receive power, from the Master Clock/switch, when it is time to play a melody.

**1. Wireless communication.** Start time, zone and melody number are sent wireless from the main clock. Volume and zone are set via the +/- buttons inside the control box.

**2. Wired communication.** Start time, zone and melody number are sent by wire (RS485) from the main clock. Volume and zone are set via the +/- buttons

**3. Wired, closing contact.** Play melody when a closed contact is detected. Melody and volume are selected with the buttons.

**4. Wired, play instantly** when powered on. Play melody immediately when the power is turned on. Melody and volume are selected with the buttons.

### Technical data

Article number: 123393-00  
Article number additional speaker: 37804-04 (Max 1pc add. Speaker/control box)

### Control box

Number of selectable melodies: 16  
Volume setting: 31 levels  
Number of selectable zones: 8  
Memory card: SDHC micro 8GB (included)  
Frequency: 869.525 MHz  
Sensitivity: 1µV (-107 dBm)  
Modulation: FSK +/- 25 kHz  
Mechanical dimensions control box: (H x W x D) 255 x 180 x 75 mm  
Weight: 0,7 kg  
Color: Grey  
Temperatur range: -20 to +55 °C  
Protection class: IP66

### Power supply

Option 1: 230VAC  
Option 2: External 12 – 35V DC (melody will play when powered)

### Connection:

230V: Via enclosed mains plug or fixed installation  
Speaker: 2-pole screw-connector

### Speaker

Max. power: 25 W  
Rated power (RMS): 12 W  
Nominal impedance: 4 Ω  
Frequency range: 700-15000 Hz  
Sensitivity: 107 dB/W/m  
Radiation angle, horizontal: 90° horizontal and 90° vertical  
Protection class: IP66, weatherproof  
Admiss. ambient temp: -20 to +50 °C  
Dimensions: (H x W x D) 106 x 106 x 88 mm  
Weight: 1,1 kg  
Connection cable: 0,6 m. Can be extended up to 50 m if needed.  
Extension cable: 2 x 1,5 mm<sup>2</sup>