



Specifications DFMWP65

The DFMWP65 is a wireless one-way communication with battery powered 3.6VDC lithium battery (siren only) and comes with transmitter (6-15VDC power source required).

Specifications:

- Transmitter (WP65T):
 - o Operating Voltage : 6-15VDC.
 - o Current (Average) : 30mA max; 3mA standby.
 - o Transmitting Power : <10mW.
 - o Frequency : 433.92MHz +/- 75kHz.
 - o One Way RF Range : 100M (open air).
 - o Dimension : 70x32x14 cm.
- Receiver Siren (WP65R):
 - o Battery : Non-Rechargeable Lithium Battery 3.6VDC/19Ah (ER34615).
 - o Low Battery Warning : LED and Siren Chirp.
 - o Current (Average) : 300mA max; 0.25mA standby (average).
 - o SPL : 105dBm.
 - o High Intensity LED : 80/min.
 - o IP Rating : IP55.
 - o Housing Material : ABS.
 - o Temperature/Humidity : -10° Celcius to 60° Celcius/95% RH (max).
 - o Dimension : 200x115x40 mm.



SECOR® Wireless Siren – WP65 Manual

Brief description

SECOR® WP65 is a one-way communication and cost-effective wireless siren. It incorporates a 3.6V lithium battery to power the siren unit. The Greensmart® power saving technology allows WP65 to achieve the battery life up to 3-4 years (with typical use).

Part numbers

WP65T – local transmitter connected to alarm panel

WP65R – receiver with siren built in powered by a non-rechargeable lithium battery

WP65 – wireless siren kit consisting of a WP65T and WP65R

WP65T transmitter wiring – six terminals

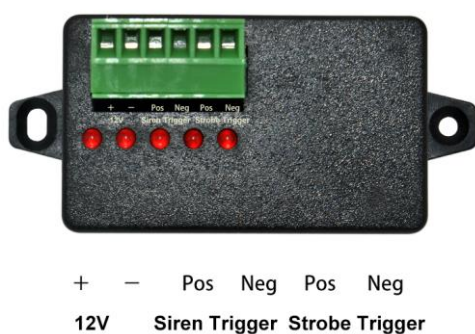


Fig 1 Transmitter wiring

Installation and testing

It is recommended that you test the siren (receiver) before mounting it onto a wall.

1. Install the transmitter first. Connect the transmitter to an alarm panel - fig 1. Each siren or strobe trigger needs ONE wire connection only – either Pos or Neg. Turn both alarm panel and transmitter's power on.
2. Plug in the lithium battery in siren unit. The 8-minute engineering time begins. During this period, the siren will operate at a reduced intensity of noise and flashing to protect installers from exposure to excessive noise and brightness. 8-minute is long enough for installers to do testing and siren installation. If more time is required, unplug the battery and re-plug it in to restart the 8-minute engineering time.
3. Test the siren and strobe by sending a Panic signal from alarm panel.
4. When the test is done, unplug the battery.
5. Mount the backplate of siren onto the wall. Make sure to keep the antenna straight and upright. Plug in the battery. Position and secure the cover onto the backplate. Ensure

the tamper switch is closed. If the tamper switch is accidentally pressed and released, the siren will continuously sound for 2 minutes (cut-off time), without unplugging the battery.

6. For a final checking, go back and send a Panic signal from the alarm panel, the siren will respond by making noise and LED flashing.
7. The siren will be restored when it receives Restoral command from the alarm panel. Otherwise, the siren will continue to sound and flash until 2-minute cut-off time expires.

Pairing

In the kit WP65, the transmitter and siren have been paired from factory. However, after replacing either the transmitter or receiver, you need to re-pair them. How to pair:

1. Place the transmitter next to siren and turn both power on.
2. Press and release the Pairing button on the siren PCB board – fig 2; The pairing LED turns on – in pairing mode. Withing 15 seconds, send any signal from the transmitter to siren to register and pair.
3. The pairing LED flashes 3 times rapidly - done

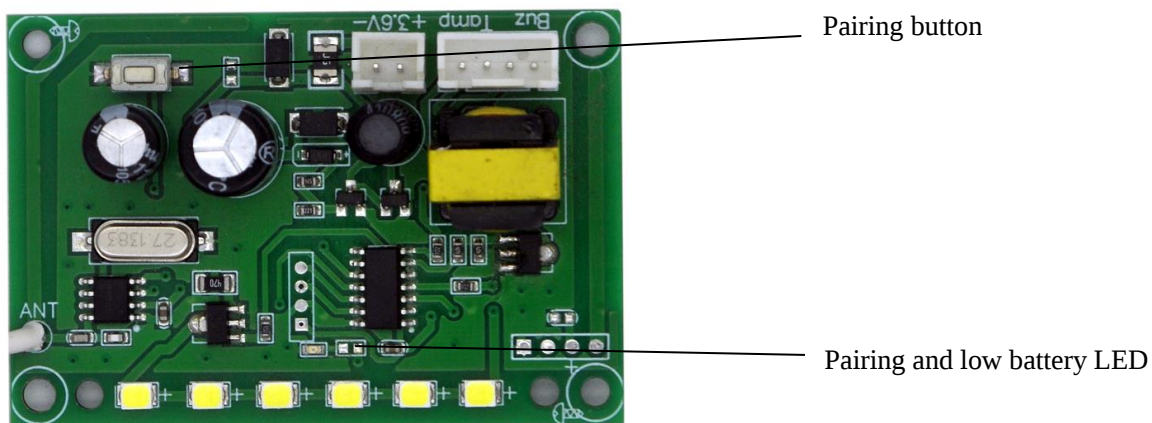


Fig 2 Siren PCB board

Cut-off time

The cut-off time is 2-minute for both siren and strobe.

Battery life and low battery indication

Battery life is adversely affected by high or low temperature, aging, and discharge rate. The battery is expected to last up to 3-4 years with typical use. We recommend that the battery be replaced every three years.

The siren will beep every 30 seconds, and the low battery LED on the PCB (fig2) will flash when low battery is detected.