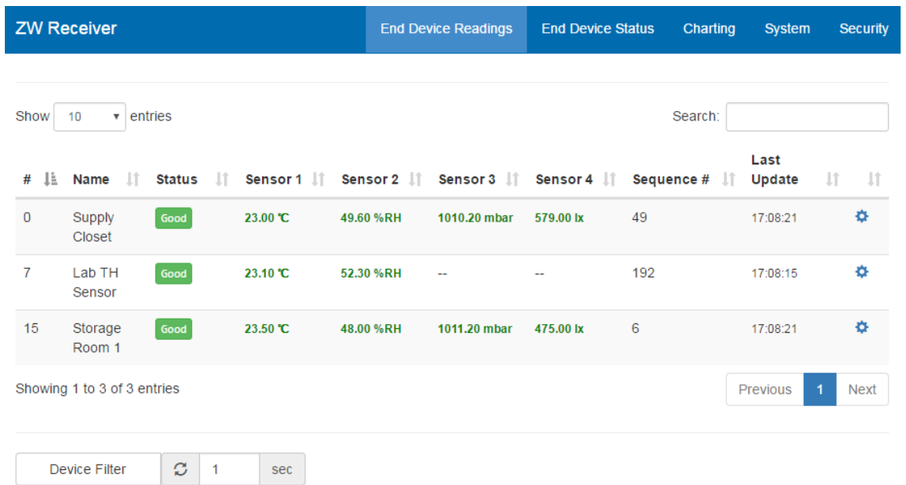
4

Viewing and Configuring End Devices



Once a ZW-ED is connected to the ZW-REC it is visible in the End Device Readings Page as shown above.

By default, End Devices are sorted by Device ID and up to 10 End Devices are shown. Use the **Previous** and **Next** buttons to show additional pages of End Devices.

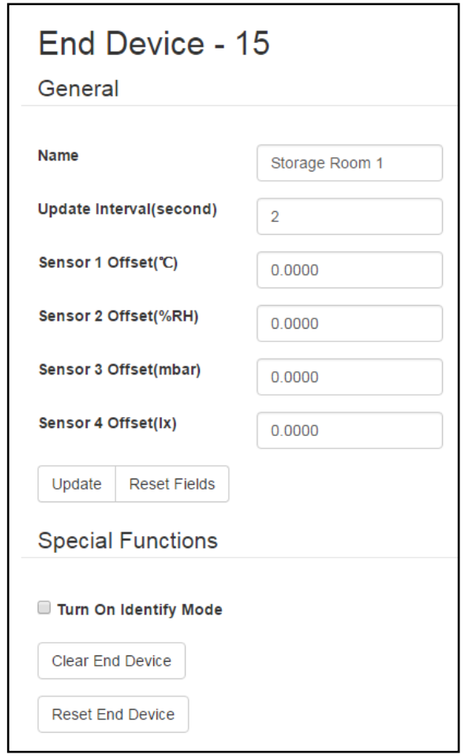
The refresh rate of the web page is shown in the bottom left. This is how often the web page refreshes the displayed data. This number does not reflect how often the End Device takes readings.

Connected End Devices and Sensors can be configured by clicking the settings icon ⚙ in the right column. The page on the right is displayed.

Here you can give the End Device a name, change the update interval and add offsets to sensor readings.

The update interval is the frequency End Devices transmit readings. By default, most End Devices send one reading every 10 seconds. The update interval greatly effects the battery life of End Devices. The shorter the update interval the shorter the battery life will be.

After making changes use the **Update** button to save the settings.



5

Other Features

The ZW-REC has many additional features. An integrated chart page allows for local data visualization and chart data can be saved to your local computer. The ZW-REC also works with the Omega Dashboard for comprehensive data logging, charting and e-mail alarm notification.

The End Device Status page shows the battery life and signal strength for each connected device as well as other helpful diagnostic information to allow you to easily manage your devices.

For more information, please refer to the full user manual.

Note: To view Wireless Certification Statement please view full product manual at, www.omega.com/manuals/manualpdf/M5547.pdf

Singapore

Complies with IMDA Standards DA107041

MQS5547/0618

QUICK START

For complete product manual:
www.omega.com/manuals/manualpdf/M5547.pdf

ZW-ED

zwSeries End Device

OMEGA™
omega.com info@omega.com

Servicing North America:

U.S.A. Headquarters: Omega Engineering, Inc.
Toll-Free: 1-800-826-6342 (USA & Canada only)
Customer Service: 1-800-622-2378 (USA & Canada only)
Engineering Service: 1-800-872-9436 (USA & Canada only)
Tel: (203) 359-1660 Fax: (203) 359-7700
e-mail: info@omega.com

For Other Locations Visit omega.com/worldwide

START HERE

Using This Quick Start Manual

Use this Quick Start Manual to set up your ZW Series wireless system and begin operation. Information is provided on:

- Required equipment
- Logging into the ZW-REC
- Setting up the ZW-ED
- Viewing and Configuring End Devices
- Other Features

For complete information on all setup options see the user manual available at omega.com/manuals.

Before You Begin

Warning: The following parts of the unit are ESD sensitive:

- The Antenna
- Metal connectors for the Antenna, Probe, and Power

The ZW-ED is designed to seal to IP65 when operating. During configuration care should be taken to prevent the electronics from being exposed to moisture or toxic chemicals. To maintain an IP65 rating be sure to fully secure the lid and all external connectors. Always use the provided dust cover if external power connector is not used.

Required Equipment

Before setting up a ZW Series wireless system ensure you have the following components:

- ZW-ED Wireless End Device
- ZW-REC Wireless Receiver
- Measurement Probe
- Computer with a free Ethernet port and HTML5 capable web browser
- Ethernet Cable (A crossover cable is required for computers using older 10/100Base-T Network Interfaces)

2

Logging Into the ZW-REC

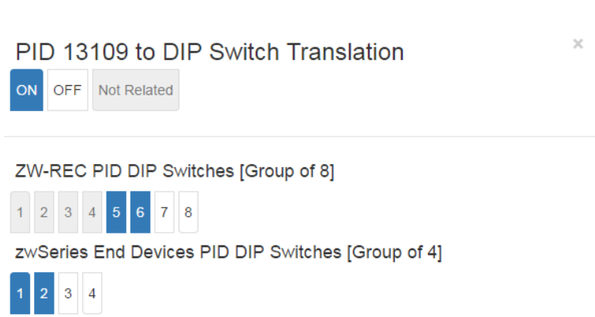
Before setting up any End Devices, first set up the ZW-REC. Refer to the ZW-REC quick Start (**MQS5546**) for help getting started.

Log into the ZW-REC using the Client credentials and then Navigate to the System page using the Administrator credentials.

If you have not changed the settings, the ZW-REC comes configured with a default static IP Address of 192.168.1.200 and the default passwords are shown below.

User Account	Login Name	Password
Client	login	12345678
Administrator	admin	00000000

Near the top of the page, click on the blue info icon next to the PAN ID. This will bring up a DIP switch guide similar to the one shown below.



Record the ZW Series DIP switch setting for use in **Step 3**.

3

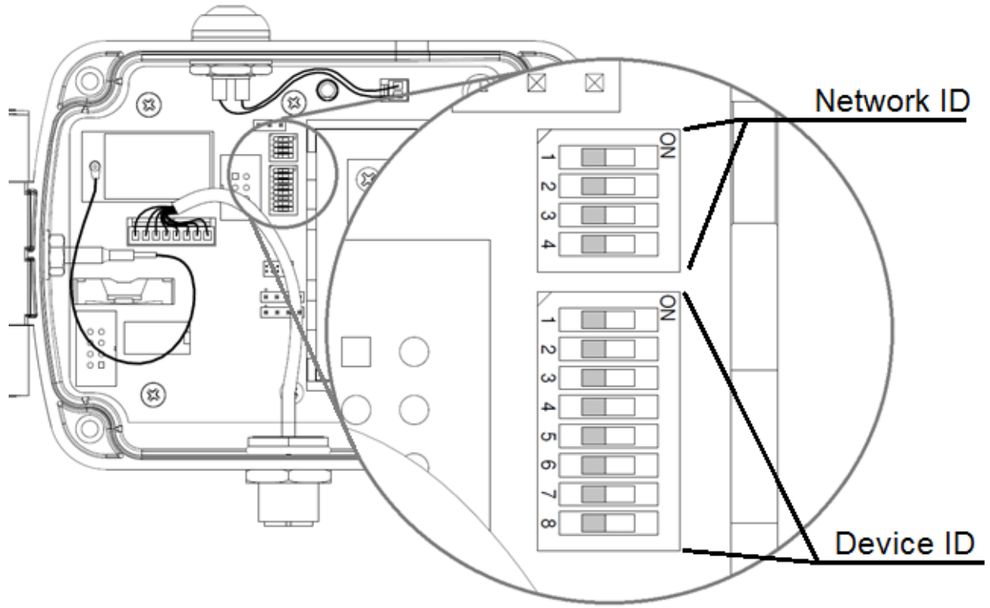
Setting up the ZW-ED

To set up the ZW-ED, first locate the DIP switches inside the unit. These switches set the Network ID (NID) and the Device ID (DID) which the ZW-REC uses to identify each End Device. The NID and DID are set to Zero by default.

Set the NID using the setting recorded in **Step 2**.

Each ZW-ED requires a unique DID. The first 8 DID settings are shown below. If additional End Devices are required, please consult the full manual.

Switch							DID
7	6	5	4	3	2	1	
OFF	OFF	OFF	OFF	OFF	OFF	OFF	**0**
OFF	OFF	OFF	OFF	OFF	OFF	ON	**1**
OFF	OFF	OFF	OFF	OFF	ON	OFF	**2**
OFF	OFF	OFF	OFF	OFF	ON	ON	**3**
OFF	OFF	OFF	OFF	ON	OFF	OFF	**4**
OFF	OFF	OFF	OFF	ON	OFF	ON	**5**
OFF	OFF	OFF	OFF	ON	ON	OFF	**6**
OFF	OFF	OFF	OFF	ON	ON	ON	**7**



Before powering the ZW-ED attach the included antenna to the SMA connector on the side of the unit. Also attach the desired probe to the M12 connector on the bottom of the unit.

Consult the Omega Website for a list of supported probes.

Power ZW-ED using the included C-Cell Batteries or the optional AC Adaptor. If the AC adaptor is used the batteries can still be used as a backup in case of loss of power.

The ZW-ED starts automatically when power is applied. The blue LED blinks while it searches for the ZW-REC. Once connected to the ZW-REC, the LED will stop blinking and flash briefly after each transmission.

Tip If the ZW-ED will not connect check that the NID is set correctly and the Probe is fully inserted.

If any changes to the Probe, DID or NID are made the ZW-ED must be reset. Press the power button on the top of the unit to do a quick reset.

Holding the power button for longer than 3 seconds will turn off the ZW-ED. When holding the power button, the blue LED turns on. When the blue LED turns off release the button and the unit will be powered off. Pressing the button again will turn the unit back on.