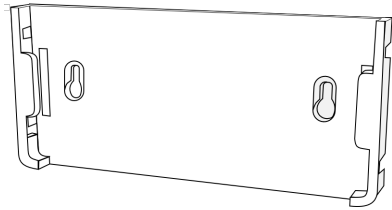


Diligence™ 600

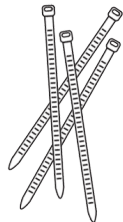
Quick Start Guide

Also Included:



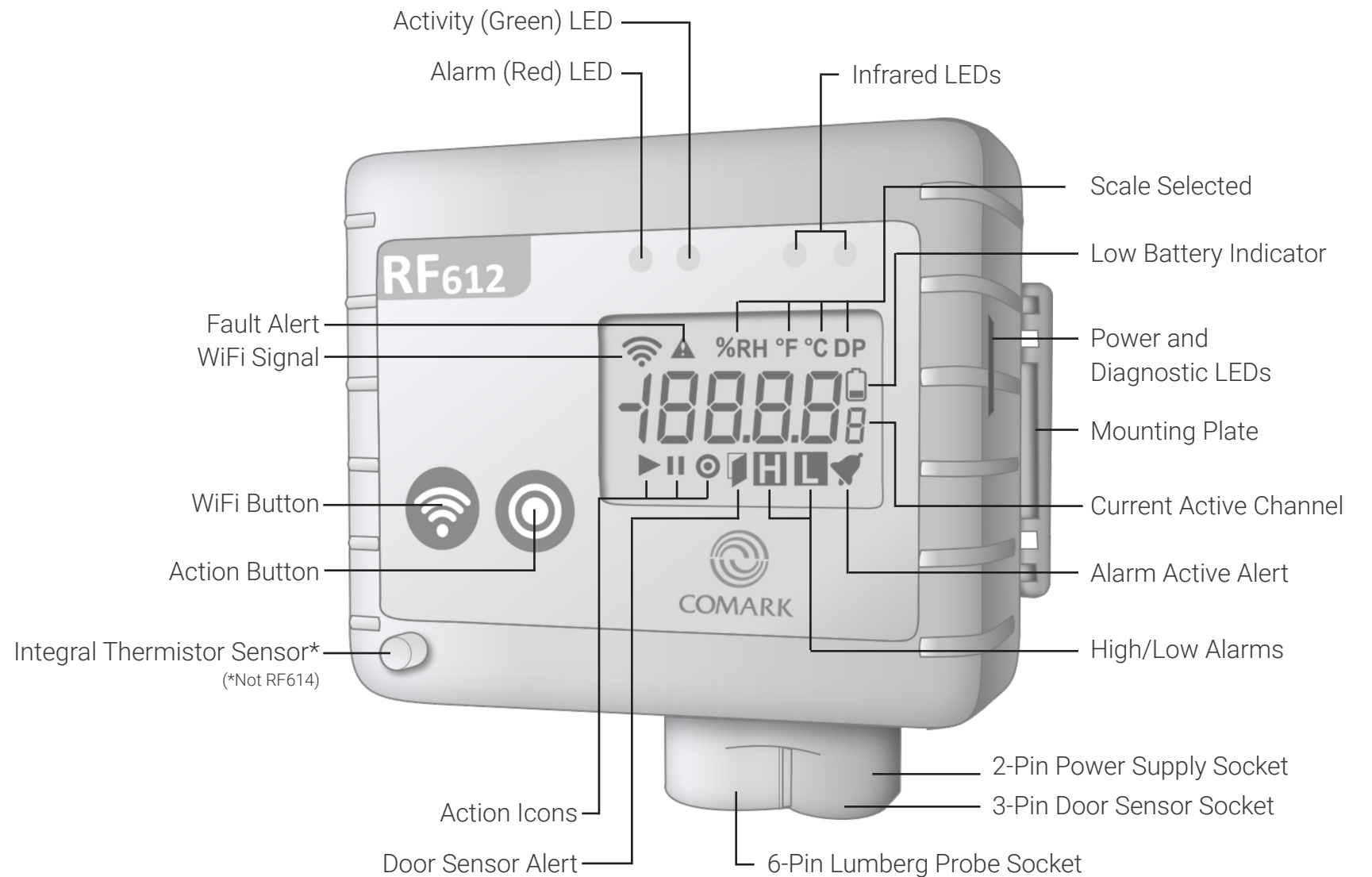
Mounting Bracket

Use the supplied mounting bracket to secure the Transmitter to a suitable surface using appropriate fixings (not supplied).



Cable Ties

Use these to tidy and secure any cables post-installation and prevent cables from pulling out of their sockets.



WiFi Button

The **WiFi Button** has several functions:

1. Press and hold for one second. The **Activity (Green) LED** will flash once to acknowledge the button press and you will hear a beep. The Transmitter will attempt to connect to the **Diligence Cloud** and send any unsent data and/or receive any new tasks. During this time the lower segment of the **WiFi Signal Icon** will flash.
2. Press and hold for five seconds. The Transmitter will go into **Survey Mode** and check the WiFi Signal Strength. To exit press the **WiFi Button** again.
3. Press and hold the **WiFi Button** and **Action Button** simultaneously for five seconds to place the Transmitter into **Setup Mode**. Press the **WiFi Button** again to exit **Setup Mode**.

Action Button

The **Action Button** allows you to navigate between **Active Channels**.

1. Press once to change the **Active Channel** that is displayed.
2. Press and hold the **Action Button** and **WiFi Button** simultaneously for five seconds to place the Transmitter into **Setup Mode**.

Alarm (Red) LED

The **Alarm (Red) LED** will flash whenever one or more channels is in an active (unacknowledged) alarm state. It will not flash for **High** and **Low Alarm** states, but will flash for **High-High** and **Low-Low Alarm** states.

Activity (Green) LED

The **Activity (Green) LED** will flash briefly every second to indicate that the Transmitter is operating normally. The **Activity (Green) LED** will also flash once whenever the **WiFi Button** has been operated.

Infrared LEDs

The **Infrared LEDs** are only used during the manufacturing process and do not display or have any significance in normal operation.

Power and Diagnostic LEDs


These illuminate at various times depending on Transmitter interactions. Please refer to the operating manual for a full explanation of these LEDs.

Adding new Transmitters to your Diligence Cloud Account

IMPORTANT: You will need a Wi-Fi enabled device such as a Laptop or PC, and you will need to have registered for a Diligence Cloud account **PRIOR TO STARTING**

1. Using a Wi-Fi Device, log onto your Diligence Cloud Account and in the bottom right hand corner of the **Dashboard** page use the **Copy Icon** to save your **Account Number** to your clipboard.

Comark Instruments - 61DFD4F9240C4

2. Select **Transmitter Management**, click on the  icon, enter the serial number of the Transmitter. Serial numbers are case sensitive. Repeat this process for all the Transmitters you want to add.

3. On the Transmitter press the **Action Button** for one second and allow the Transmitter to boot up. At this stage ignore any on screen messages.

4. Enter **SETUP** mode by pressing the **Wi-Fi Button** and the **Action Button** simultaneously for five seconds .

The LCD will show **AP. -** followed by **AP. 0** a few seconds later.

5. On your Laptop/PC, search for available Wi-Fi networks; the Transmitter will advertise itself as RF600-<serial number of your Transmitter>. Connect to this Wi-Fi network, the password is the serial number excluding first two digits, and is **case sensitive**.

6. The LCD will show **AP. 1**

7. On your Laptop/PC, open an **Internet Browser** and navigate to <http://192.168.4.1/setup>

8. Select the **Wi-Fi Tab** and paste in your **Cloud Account Number** you copied earlier.

RF600 CA11215067

WiFi	Server	Status	Advanced
Mac Address	94:3C:C6:08:4A:B4		
Cloud Account No.	61DFD4F9240C4		

Note – There is a timeout to conserve battery of 4 mins.

9. Click on the **Scan for WiFi** button to search for Local Wi-Fi (Wireless) Networks. You may see multiple entries for the same Wi-Fi network, especially if your network has multiple base stations.

Note – At time of writing **Diligence 600** only supports **WPA2-PSK** Wireless Networks. Enterprise Networks are not currently supported.

Select your Wi-Fi (Wireless) Network from the drop down and enter the **Wi-Fi Password**. Click **Save** and the page will return **Save OK**.


10. Click on the **Server** tab and confirm the **Diligence Cloud** tick box has been selected in the **Server** section, if not select it and click **Save**.


WiFi	Server	Status
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Diligence Cloud		

11. Press the **Wi-Fi Button** on the Transmitter to exit **Setup Mode**.



The LCD display of your Transmitter will change to show **EAS** to indicate it is now configured correctly and awaiting tasks.


12. Provoke the Transmitter by pressing the **Wi-Fi Button** for one second. The **Wi-Fi Symbol** will flash as the Transmitter attempts to connect to the **Diligence Cloud**. If all is well, then the **Wi-Fi symbol** will go solid. This may take a few seconds to connect.


13. In the event of setup not working the **Fault icon**  will be displayed with a **fault code number**. If the **Diligence Cloud** does not recognise the Transmitter then **idEr** will be displayed.

Please repeat the process from **Step 4** checking your **Wi-Fi details** and **Diligence Cloud Account Number** were correct. If you continue to get error messages then contact **Comark Technical Support** for help. For additional help and information please refer to the **Diligence 600 User Manual** or the **Help Section** on the **Diligence Cloud** by clicking on the  icon from any page.

14. Now the Transmitter needs to be setup correctly in your **Diligence Cloud** account; each Transmitter needs to be assigned a **Location** and **Alarm Group**.

Log back into your **Diligence Cloud** account and select the  icon and then **Locations**. Click on the  icon and enter the name of the first location.

Now select the  icon again and then **Alarm Groups**. Click on the icon and enter the name of the first **Alarm Group**.

Navigate to **Transmitter Management** tab and select the  icon to bring up the **Task Configuration** page for the selected Transmitter.

Complete the form, select **Program Task**. Press and hold the **Wi-Fi Button** until the Transmitter beeps. It will wake up, connect to your **Diligence Cloud** account and receive the task.

15. Repeat this process, from **Step 4**, for all of your new Transmitters. Visit www.comarkinstruments.com for more info on **Diligence 600**.

WiFi Signal Icon

If the **WiFi Signal** icon is not showing the Transmitter has no signal or has not been set up.

WiFi signal strength is denoted by the number of bands showing - one band is low signal, all four bands is excellent signal.

When the WiFi is connecting the **WiFi Signal** icon will flash each segment consecutively, from low to full.

Fault Alert Icon

When present the **Fault Alert** icon indicates that there is a fault with the Transmitter. The **Fault Alert** icon will usually appear with a reference number on the main LCD. Please refer to manual for more information on the fault.

Low Battery Indicator Icon

The **Low Battery Indicator** icon will show when battery is low. The Transmitter will continue to operate normally, but we recommend replacing the batteries with new as soon as possible.

If the **Low Battery Indicator** icon is flashing then the battery is critically low and should be replaced immediately.


Alarm Active Icon


The **Alarm Active** icon will flash when the **Active Channel** is registering an unacknowledged alarm.


High/Low Alarm Icons

The **High/Low Alarm** icon will show to alert you that the value displayed in the **Active Channel** exceeds the alarm limit. If the **High/Low Alarm** icon is flashing then the **Active Channel** is registering a **High/Low Alarm**.

Action Icons

 The **Play** icon will flash when the Transmitter is tasked and logging normally. This is normal status. If solid, the Transmitter has received a task but waiting for a reading.

 The **Pause** icon indicates that the Transmitter is not logging.

 The **Action** icon indicates that the Transmitter is waiting for input from the user to perform an action.