LED Diagnostics

LED Locations with MiCell

LED 1   LED 2   LED 3   LED 4   LED 5
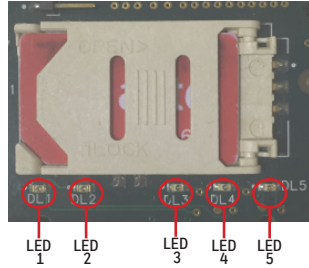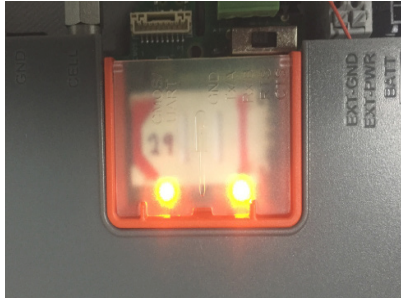
LED 1

Call establised	High Speed LED blink (8 blinks per second)
Call establishment in progress	Medium speed LED blink (2 blinks per second)
Call establishment fail	Low speed LED blink (1 blink per second)
No Network connection	LED off

LED 2

RSSI excellent	5 blinks per second
RSSI good	2 blinks per second
RSSI fair	1 blink every second
RSSI poor	1 blink every 2 seconds
No signal	1 blink every 5 seconds
no RSSI	LED OFF

LED 3   LED 4   LED 5   ● LED ON   ○ LED OFF

LED 3	LED 4	LED 5	
Number of blinks			
All LEDs blink at once		Separator	
1 blink	1 blink	1 blink	Low Super Capacitor voltage
1 blink	1 blink	2 blinks	External OTA Firmware upgrade flash memory Fault
1 blink	1 blink	3 blinks	BLE UART communication fail
1 blink	2 blinks	1 blink	BLE MAC address not configured
1 blink	2 blinks	2 blinks	Modem UART communication fail
1 blink	2 blinks	3 blinks	Config data checksum error
1 blink	3 blinks	1 blink	IP Address or port # not configured
1 blink	3 blinks	2 blinks	Security Certificate Error
1 blink	3 blinks	3 blinks	Low Battery Capacity Indication
2 blinks	2 blinks	1 blink	External Data flash memory Fault
2 blinks	2 blinks	2 blinks	Network comm fail
2 blinks	2 blinks	3 blinks	SIM Card Error
All LEDs blink three times			MiCell Microcontroller power cycle occurred
All LEDs blink two times			MiCell Microcontroller Watchdog timeout occurred

Honeywell

The Honeywell Cloud Link 4G Modem is a 4G/LTE cellular device intended to process serial data originating from any source, including a Honeywell Electronic Volume Corrector or Data Logger.

Designed for low power applications and outdoor operations, the Cloud Link 4G Modem is a full-featured, easy to configure and troubleshoot Wireless Cellular Modem. This communication unit is fully field-programmable and simple to use through its Bluetooth Low Energy or serial interfaces and associated set of programming software. In sleep mode, the modem consumes 100 times less power than competitive products while still being able to be reactivated by an external signal.

Thanks to its targeted design, the Cloud Link 4G Modem requires less power to operate than any other cellular modem available today. It is designed to operate in battery powered applications.

The Cloud Link 4G Modem is CSA, Class I Div 2 approved making it a perfect solution for gas measurement applications where safety is always a concern.

This modem can be configured using the same MasterLink software that is used to configure other Honeywell Mercury electronic volume correctors and data loggers. No additional software is required. In addition, Master-Link is now available as an App that can be installed on IOS and Android devices.

Easy to retrofit. The Cloud Link 4G Modem can be easily retrofitted in MiWireless enclosures. A dedicated kit has been designed to support a smooth transition from 2G/3G to 4G networks.

This handout is meant to be quick reference on getting started with the Cloud Link 4G Modem device.

Lets Get Started!

Fold along the dashed line

Know the device!

- Diversity antenna
- Cellular antenna
- CMOS / UART
- RS232/485
- External Power
- Battery Power
- SIM Holder
- Space for label
- Case
- Pulse Input
- Connector Cover
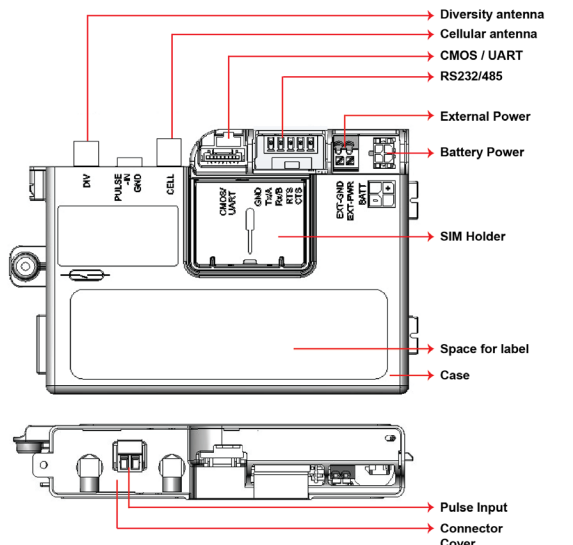
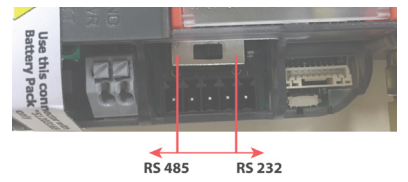Note: CMOS / UART is currently not supported.

Setting up the Cloud Link 4G Modem device

1 Remove the SIM card cover and insert the SIM card

2 Connect the antennas – Cellular and Diversity
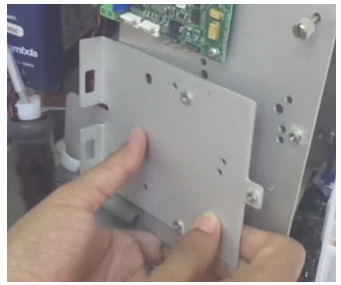
RS 485   RS 232
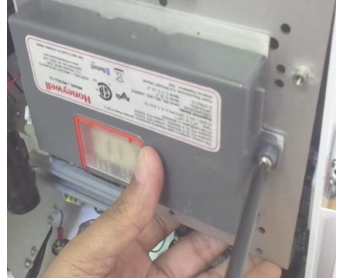
3 Connect an RS232 / RS485 cable

4 Connect to external power supply or battery power
4.8V to 30V, External power supply.

Installing Cloud Link 4G Modem in MiWireless device
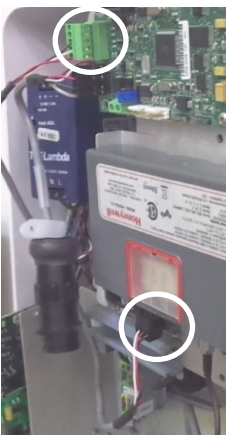
1 Install the antenna on the MiWireless device

2 Install the mounting bracket for holding the Cloud Link 4G modem

3 Fasten the Cloud Link 4G modem on the mounting bracket

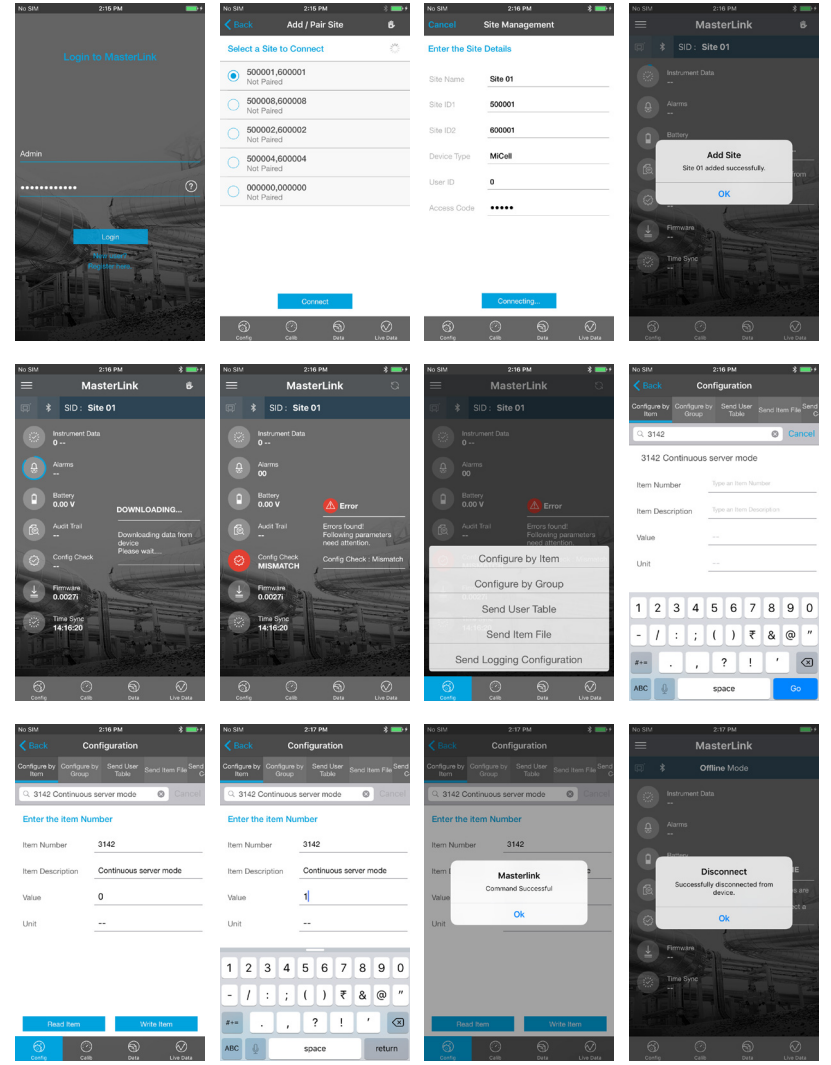**4** Connect the Cloud Link 4G modem antenna

5 Connect the communication cable from PT board to Cloud Link 4G modem.

6 Connect power supply wires from the terminal box

Configuring Cloud Link 4G Modem Using MasterLink iOS App

Ensure to keep the MiWireless device door open, while configuring Cloud Link 4G Modem over bluetooth.