Overview:
The Honeywell CloudLink 4G M1 Modem is a cellular device intended to process serial data originating from any source, including a Honeywell Electronic Volume Corrector or Data Logger. It connects to remote host over Cellular 4G Cat M1 network.

Features:
- Easy to configure and retrofit
- Simple to use through BLE/serial interfaces
- Designed for low power applications and outdoor operations

Troubleshooting
- Requires less operating power
- Consumes less power in sleep mode
- Operates in battery and external powered applications

Regulation Standards:
- CSA, Class I Div 1 & Div 2, IECEx Zone 0

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, MasterLink is now available as an application that can be installed on iOS and Android devices.

This handout is meant to be a quick reference on getting started with the Cloud Link 4G M1 Modem device.
Setting up the CloudLink 4G M1 Modem device

A. Open the SIM cover and insert the SIM card into SIM card holder
B. Connect the antenna
C. Connect to battery power or external power supply
D. Configure port with 9600 Baud Rate (RS232) for serial connection
E. Connect the serial port cables

Note: Default serial connection (RX, TX) will be RS232
Installing CloudLink 4G M1 Modem in MiWireless as example (pivot panel)

1. Remove the existing 3G antenna

2. Install the 4G antenna on the MiWireless device by tightening the nut

3. Screw the mounting bracket onto the Pivot/Sub panel to hold the Modem

4. Position the mounting tabs onto the slots of the bracket and torque the captive screw

5. Connect the CloudLink 4G M1 Modem antenna using a wrench with torque 4-6 IN-LB

6. Connect the serial cable (RS232) from the CloudLink Modem to terminal block of MiWireless* (Do not connect into RS485 slot)

7. Connect the power supply cables from the terminal block as shown in the figure. Red wire to EXT-PWR pin and Common to any one of the pins

* When there is a Protocol Translator board connect the serial cable (RS232) from the PT board to the CloudLink Modem.

Note: For information on retrofit kit details, please refer the document # 22-3015 & 22-3170.
### LED Diagnostics

<table>
<thead>
<tr>
<th>LED</th>
<th>COLOR CODES</th>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>STATE</th>
<th>DETAIL DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Green</td>
<td><img src="image" alt="Power Indicator" /></td>
<td>POWER INDICATION &amp; NETWORK CONNECTIVITY STATUS</td>
<td>OFF</td>
<td>Sleep or power off</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BLINK</td>
<td>Trying to connect (cellular)</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td><img src="image" alt="Data Connection" /></td>
<td>DATA CONNECTION</td>
<td>ON</td>
<td>Connected to network (cellular)</td>
</tr>
<tr>
<td></td>
<td>BLINK*</td>
<td><img src="image" alt="Data Connection" /></td>
<td>DATA flow between host and device over cellular interface, no fixed blink rate</td>
<td>OFF</td>
<td>No data flow to cellular host</td>
</tr>
<tr>
<td></td>
<td>Tricolor*</td>
<td><img src="image" alt="Network Connectivity &amp; Signal Strength" /></td>
<td>NETWORK CONNECTIVITY &amp; SIGNAL STRENGTH</td>
<td>BLINK*</td>
<td>Connected to network</td>
</tr>
<tr>
<td></td>
<td>(Red, Yellow and Green)</td>
<td><img src="image" alt="Network Connectivity &amp; Signal Strength" /></td>
<td></td>
<td>SOLID YELLOW</td>
<td>Trying to connect to network</td>
</tr>
<tr>
<td></td>
<td>Tricolor*</td>
<td><img src="image" alt="Network Connectivity &amp; Signal Strength" /></td>
<td></td>
<td>SOLID GREEN</td>
<td>When ML signed in over BLE/Serial. No diagnostic codes shown when MasterLink signs in.</td>
</tr>
<tr>
<td>4</td>
<td>Tricolor*</td>
<td><img src="image" alt="Network Connectivity &amp; Signal Strength" /></td>
<td></td>
<td>DIAGNOSTICS</td>
<td>Red and yellow denote the error codes with Red being the first digit and Yellow as the second digit. Green will be a delimiter between the error codes.</td>
</tr>
</tbody>
</table>

For more detailed information on the configuration of ML application please refer to MasterLink Mobile App User Guide.