



Figure: Cloud Link 4G M1 Modem

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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

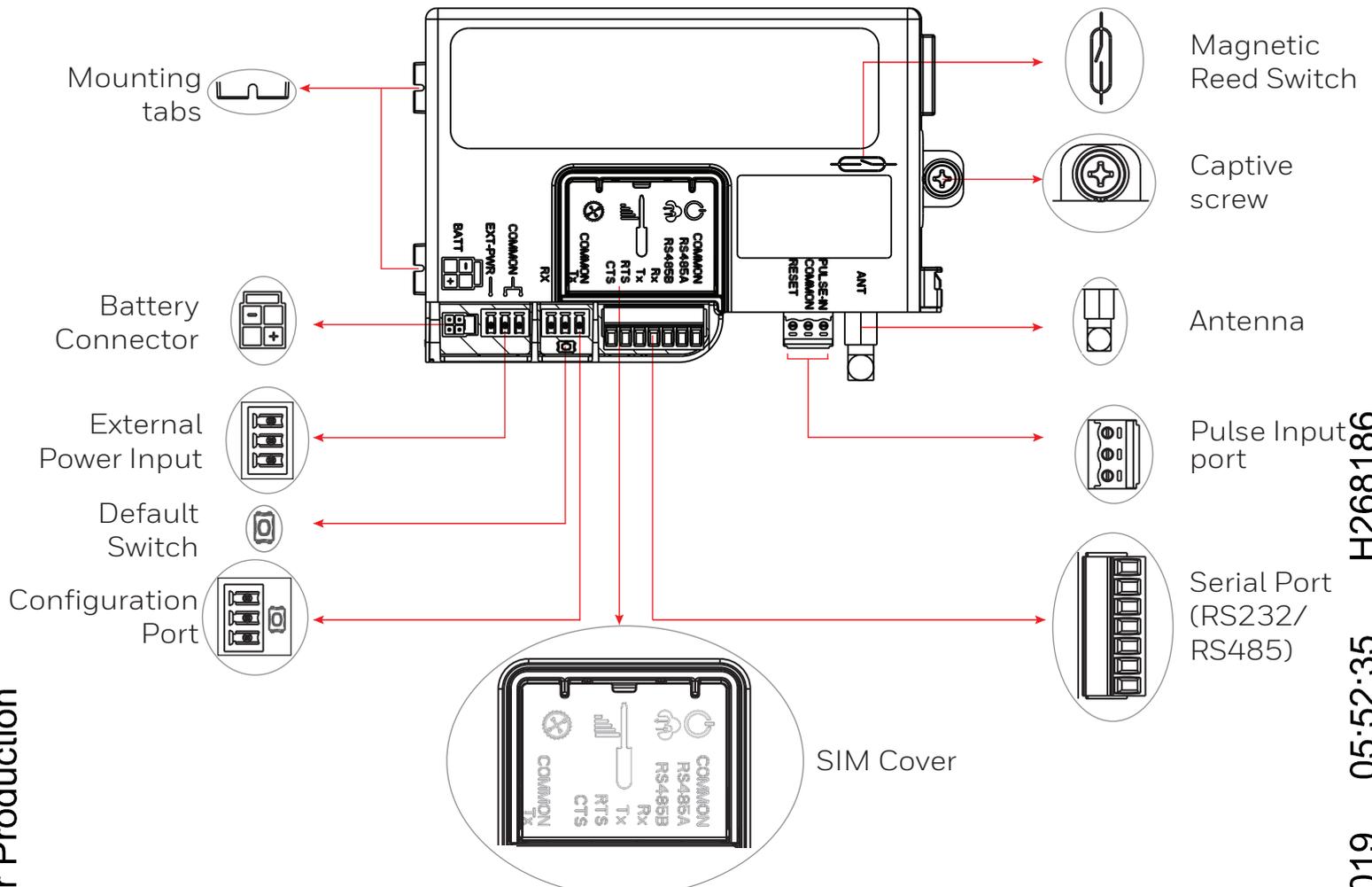
Regulation Standards:

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.

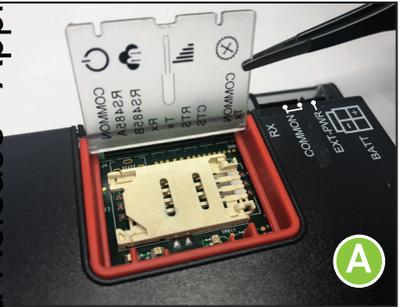
This handout is meant to be a quick reference on getting started with the Cloud Link 4G M1 Modem device.

CLR110 Device



Note: Default serial connection (RX, TX) will be RS232

Setting up the CloudLink 4G M1 Modem device



Open the SIM cover and insert the SIM card into SIM card holder



Connect the antenna



Connect to battery power or external power supply



Configure port with 9600 Baud Rate (RS232) for serial connection



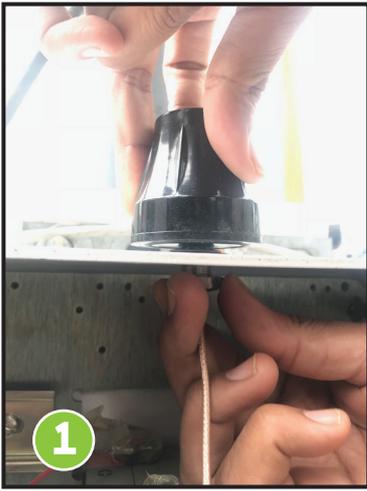
Connect the serial port cables

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Fold along the dashed line.

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



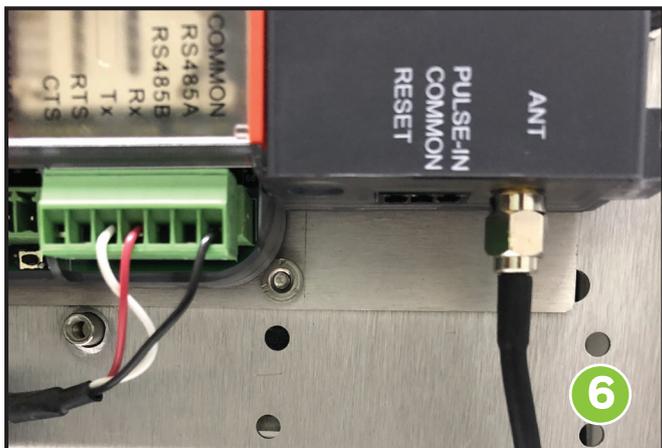
3 Screw the mounting bracket onto the Pivot/Sub panel to hold the Modem



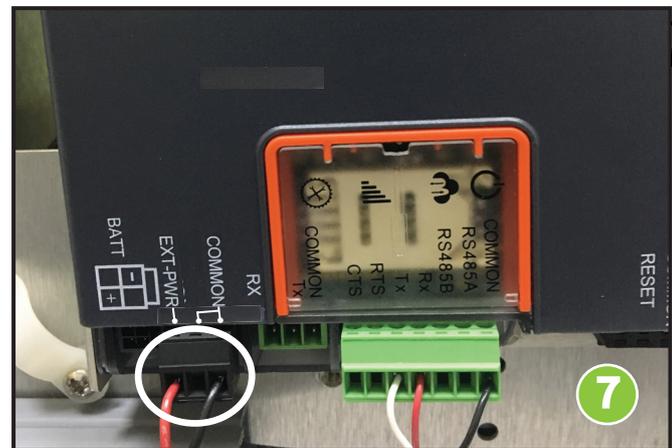
4 Position the mounting tabs onto the slots of the bracket and torque the captive screw



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

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

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Configuring CloudLink 4G M1 Modem using MasterLink desktop App

Configuration of CloudLink 4G M1 modem for Continuous Server mode operation (external supply only).

Make sure to keep the MiWireless device door open to configure the Cloud Link 4G Modem through Serial.

- Connect the Modem with USB-to-serial cable and login to the app with registered credentials
- Navigate to the **Settings** menu, select the Connector and Baud Rate (9600) from the drop-down list
- Click **OK** > Settings will be saved
- Go to **Device Properties** tab, provide the User ID and Access code
- Click **Save** > Settings will be saved
- Click **Connect** on the Menu bar to connect the Modem
- Wait for the dashboard to load
- Navigate to **View/Edit** > **Configure by Group** > Search 3142 item number
- **Enable** the value > click **Write Item** button
- Search for 3137 item number > **Modem Reset** value > click **Write Item** button
- Menu > **Disconnect** to disconnect the modem.
- After disconnecting successfully, modem will reset automatically

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

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LED Diagnostics					
LED	COLOR CODES	SYMBOL	DESCRIPTION	STATE	DETAIL DESCRIPTION
1	Green 		POWER INDICATION & NETWORK CONNECTIVITY STATUS	OFF	Sleep or power off
				BLINK	Trying to connect (cellular)
				ON	Connected to network (cellular)
2	Green 		DATA CONNECTION	OFF	No data flow to cellular host
				BLINK	Data flow between host and device over cellular interface, no fixed blink rate
3	Tricolor* (Red, Yellow and Green) 		NETWORK CONNECTIVITY & SIGNAL STRENGTH	OFF	Not connected to network
				BLINK*	Connected to network * Denotes RED - Poor RSSI YELLOW - Fair RSSI GREEN - Good RSSI
				SOLID YELLOW	Trying to connect to network
4	Tricolor (Red, Yellow and Green) 		DIAGNOSTICS	SOLID GREEN	When ML signed in over BLE/Serial. No diagnostic codes shown when MasterLink signs in.
					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. Example: Low Battery Voltage - Error Code 13 1 Red followed by 3 Yellow with Delimiter Green.

For more information:

To learn more about Honeywell's Smart Gas Metering Solutions, visit www.honeywellprocess.com or contact your Honeywell Process Solutions representative.

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