

CRLDS Refrigerant Sensor

Configuring MultiFlex, iPro and Site Supervisor Analog Inputs

MZLD Panels using CRLDS Sensors must use 4-20mA Signal

**1-5VDC from the CRLDS AO is suitable for MultiFlex input boards.
Must be changed to 4-20mA for iPro, Site Supervisor, IPX Modules.**

When replacing the MRLDS-250 with the CRLDS for use with the MultiZone Leak Detection Panel, the CRLDS AO signal type must be set to 4-20mA.

This can be easily done via the Copeland CRLDS mobile app. Each MZLD zone using C series will also need to be switched to 4-20mA.

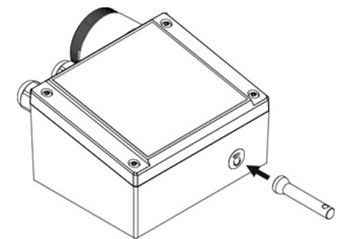
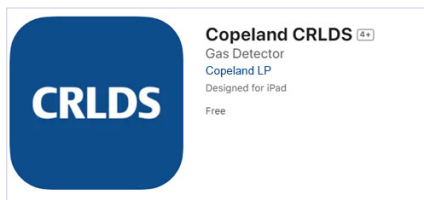
Wiring terminations from the CRLDS AO to the iPro MZLD panel terminal block is the same for 4-20mA signal; no change is needed.



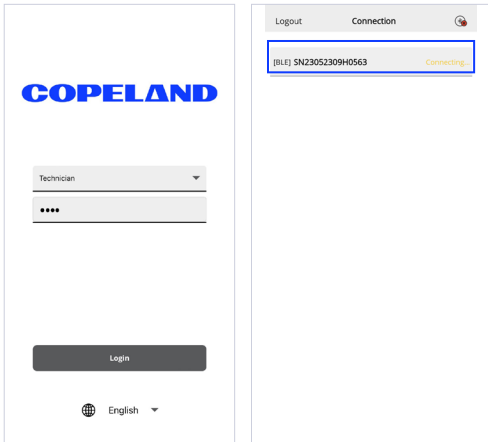
Procedures to switch to 4-20mA

Use the CRLDS Mobile App for Android™ or iOS to Configure 4-20mA

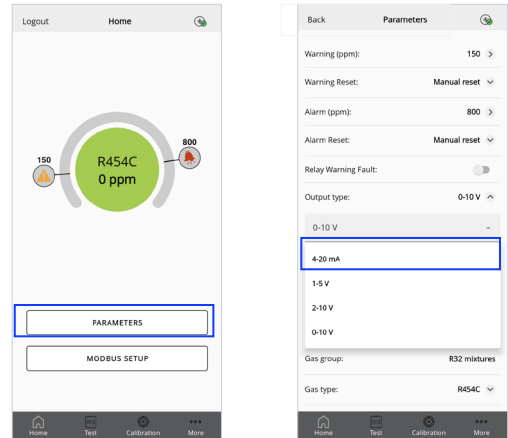
1. Download and install Copeland CRLDS app from the App Store® or Google Play Store.
2. Activate Bluetooth® on the CRLDS sensor by touching the red magnetic wand to the magnetic switch on top of the enclosure for 5 seconds continuously.
3. Once Bluetooth® is activated, the green LED will change from solid green to blinking green.



- Open the CRLDS app, select **Technician** and log in with password **2222**.
- Select on the CRLDS serial number in the device list to connect.



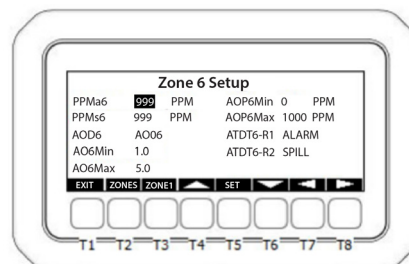
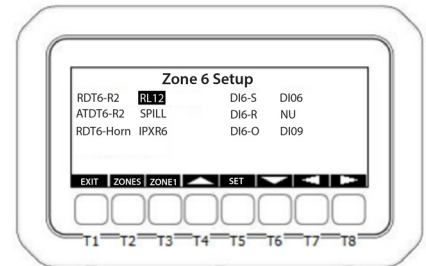
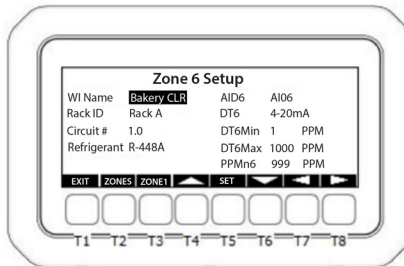
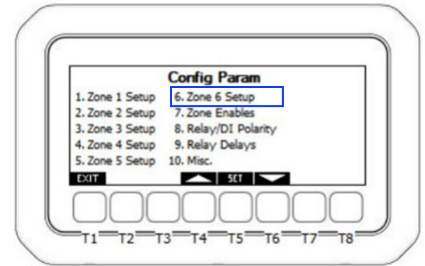
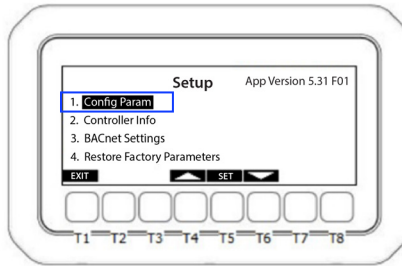
- From the **Home** tab, select the **Parameters** button.
- Set the **Output Type** to **4-20mA**, and press **Back** to save. Change the corresponding zone in the MZLD iPro to be 4-20mA for the analog input.



Configure 4-20mA on the MZLD Panel iPro

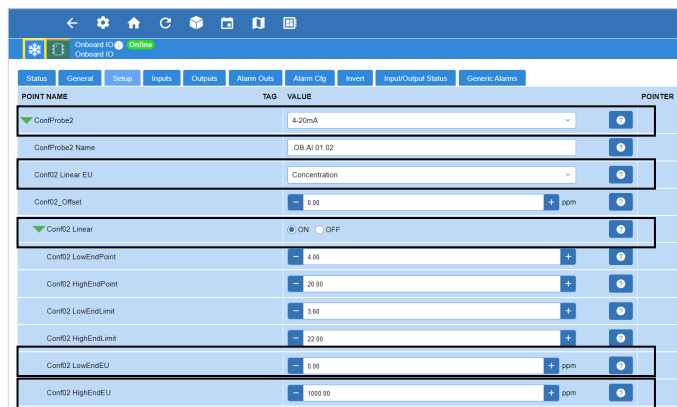
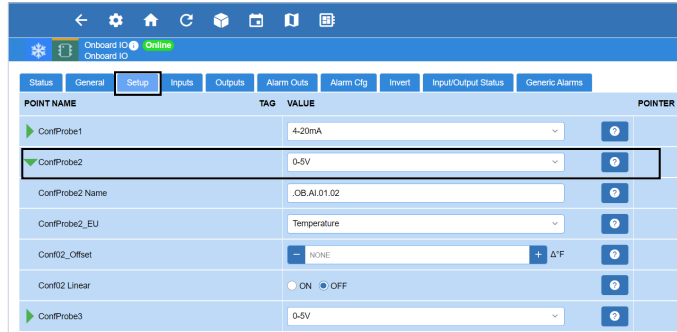
Required iPro firmware version 5.35F01.

- From the detector status screen, press and hold T4 and T5 for three (3) seconds.
- The Setup screen will appear.
- Select 1. Config Param.
- Use T4/T6 to arrow to the zone setup that has CRLDS connected and select it.
- Within the zone setup screen, the DT1 parameter is the analog input signal type, change it to 4-20mA for all zones using CRLDS sensors.



Configure 4-20mA on Site Supervisor Onboard Inputs

1. Configure the CRLDS analog output type to 4-20mA as shown earlier in this document.
2. Log into the Site Supervisor Controller and go to **Onboard IO**.
3. Select the **Setup** tab of the Onboard IO.
4. Expand the ConfProbe menu for the input to be used by clicking the green arrow.
5. Change **ConfProbe** to **4-20mA**, select **ON** for **Conf Linear** and change **Conf Linear EU** to **Concentration**. Expand Conf Linear and change **Conf LowEndEU** to **0**, change **Conf HighEndEU** to match the PPM range of the CRLDS 1000 for 1000ppm sensors for example.
6. Repeat this configuration for any Site Supervisor inputs that will use the CRLDS sensor.



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