Low Current: Broken Wire to Solenoid

A Low Current notification means the controller has measured low current in the wiring to the valve in a particular zone. When the zone finishes the cycle, you will receive an alert that says **LOW CURRENT DETECTED** (i.e., Hydrawise waits for the cycle to finish to verify if there is any current). This alert is usually the result of an **OPEN WIRE CIRCUIT** or **DAMAGED SOLENOID**.

The **LOW CURRENT** message will display in the Events log as a warning or through an alert (if set) if Hydrawise detects the current in a range between 0–70 mA. Model HC-600i does not have the current-sensing option.

IMPORTANT: Do not attempt to test this alert by connecting a faulty or damaged solenoid. Doing so can cause the controller to malfunction.

For more detailed information, review the sections below.

- · Basic Troubleshooting
- Viewing Diagnostics Report
- · Viewing Message in Events Screen
- · Creating the Alert

Basic Troubleshooting

- 1. Use a Phillips screwdriver to remove the wire from the zone terminal that is receiving the message.
- 2. Turn on the zone manually at the controller or using the Hydrawise app.
- If the zone appears to run normally from the controller (with no water flowing), then you will need to inspect the field wiring and solenoid.
 - Field wiring: Verify the solenoid is properly connected with no open-wire connections.
 - Solenoid: Test the solenoid by wiring straight to the controller and turning the zone on manually (e.g., com terminal and Zone 1).
 - Using devices like solenoids from other manufacturers or low-voltage lighting relays may cause this alert as well. The system will run normally but you will continue to receive the alert.

Viewing Diagnostics Report

- 1. Select the **REPORTS** icon on the lower right-hand side of the app.
- 2. Scroll through the **REPORTS** using the report view at the top.
- 3. Select **DIAGNOSTICS**.
- 4. Hover over the zone with the **OVERCURRENT** issue. The mA current will be displayed.

View Error in Events

- 1. Select the **MENU** icon on the upper left-hand side of the app.
- 2. Scroll through to **ACCOUNT.**
- 3. Select **EVENTS**. Your overcurrent events will be displayed in red.

Creating the Alert

- 1. Select the **MENU** icon on the upper left-hand side of the app.
- 2. Scroll through to ACCOUNT.
- 3. Select ALERTS.
- 4. Add ALERT NAME and TYPE LOW CURRENT BROKEN WIRE TO SOLENOID
- 5. Select **NEXT**.
- 6. Apply the controller for this ALERT.

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- 7. Check APP NOTIFICATION and TEXT NOTIFICATION if applicable.
 App notification will send an in-app alert.
 Text will send you a text message directly.