Universal Decoder Adapter
Quick Reference Guide
TW-UNI-63

Definition of Symbols

This LED confirms a Sender is receiving a message. 8-Station Senders are sent a message every 8-10 seconds in numerical order. For example, a message is sent to Sender #1, the Sender #2 etc. **<u>This sequence is very important.</u>**

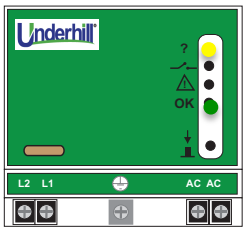
This LED confirms a Decoder is being turned "On" or "Off" by blinking only once. If there is a fault condition with a Sender, the 2Wire path, Decoder or Solenoid associated with the Sender this LED will flash each time the Sender receives a message once every 8-10 seconds.

This LED will flash when a decoder or solenoid fails to turn "On" or "Off". It will remain flashing red until the runtime from the host controller has expired. Pressing and holding the "Reset" button down for a 5-second count can clear the flashing LED.

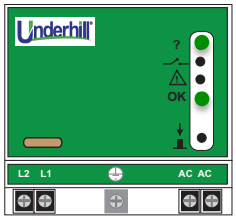
This LED confirms the internal processor is working correctly and typically remains "On". The LED will extinguish when a Sender receives a message successfully. It will blink twice in rapid succession if the Sender's message is to turn on a decoder.

This is a reset button used to clear a fault messages noted above.

Normal Operation

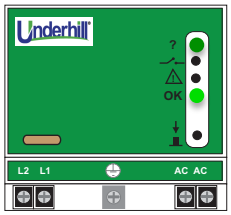


When there are no 8-Station Senders connected to the Universal Decoder Adapter, the "?" will flash yellow every second. The "OK" LED should be solid green.



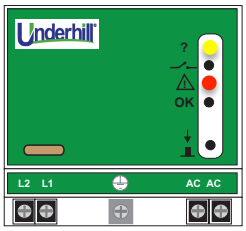
When an 8-Station Sender(s) is connected to the Universal Decoder Adapter the "?" LED will flash green. The "OK" LED should be solid green. The message to each Sender can be verified by looking at the red LED on the end of each Sender. They should blink one after another in numerical sequence, Sender #1, than Sender #2 etc. If Senders blink out of order, verify the Sender address by connecting the black and red wires to a 24-VAC power source. The LED should blink representing its corresponding Sender address. The LED will blink once for Sender #1, two times for Sender #2 etc. You should be able to measure 26-30 VAC on the L2/L1 terminals.

When a Message is sent to a Sender Successfully



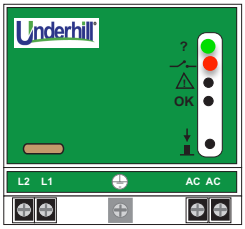
The "?" LED will flash green and the "OK" LED will extinguish when the Sender receives a message. The "OK" LED will extinguish twice in quick succession when the decoder message is received. The Red LED on the corresponding Sender will also flash.

When a Message is sent to a Sender Unsuccessfully



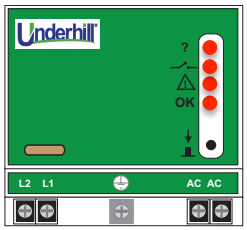
The "?" LED will flash yellow and the "!" LED will flash red when a message cannot reach a Sender. Verify the Sender has the correct address, by disconnecting and touching the black and red wires to a 24 VAC source and counting the number of red LED flashes. For example, Sender 5 should flash 5 times. Once reconnected, verify the interrogation message from the Universal Decoder is being received in the correct numerical order 1, 2, 3… by all senders. You may need to replace a Sender. Press the "Reset" button once the fault is resolved.

A "Fault" condition exists beyond a Sender



The "?" LED flashes green and the "  " LED flashes red indicating:
A break in the 2Wire path
A decoder not addressed properly or has stopped functioning
A solenoid that has failed
Two or more decoders with the same address
Remove the 2Wire path from L1/L2 terminals, then press the "Reset" button. Connect Sender 1 and operate stations 1-8 to isolate the issue. Continue to add Senders until the fault condition is located and corrected. Press the "Reset" once all faults have been resolved.

All LED's are flashing!



All LED's are flashing. The Universal Decoder Adapter is in a software protection mode attempting to reset itself.
Remove the 2Wire path,
Remove 24 VAC power from the Universal Decoder and repower – All LED's should extinguish.