Troubleshooting

Section 7.1 describes zone troubleshooting mode. Section 7.2 contains a list of system trouble messages.

Accu-Zone™ Troubleshooting (Mode 25)

Accu-Zone™ troubleshooting mode (Mode 25) allows you to use the 5230 annunciator to determine if any input is active. A voltmeter is not necessary. Mode 25 can troubleshoot the four channels (or zones) and the AC monitoring function.

The first line of the display will show the channel (zone) input number. The second line will show a high, low, and present channel (zone) measurement. The high and low values allow you to trip a zone momentarily, then come back to the annunciator and see the result. This procedure is also useful for locating intermittent connections.
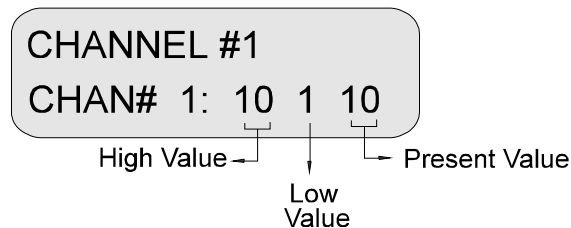

Figure 7.1-A: Example Mode 25 Display

Table 7.1-1 (next page) explains how to use Mode 25. Note that while you are using Mode 25, all alarms and troubles are disabled to allow you to trip channels (zones), adjust wiring, and so on.

Table 7.1-1: Using Mode 25

To	Press
Enter Mode 25	[2] [5] [ENTER] [Installer's Code]
Select the channel (or zone) you want to troubleshoot	1. [ENTER] (You must be in Mode 25.) 2. Channel # [ENTER] [1] = Channel 1 (or Zone 1) [2] = Channel 2 (or Zone 2) [3] = Channel 3 (or Zone 3) [4] = Channel 4 (or Zone 4) [5] = AC monitoring function
Exit Mode 25	[STEP] [STEP] [CLEAR] [CLEAR]

Table 7.1-2: Typical Mode 25 Values

The readings shown in Table 7.1-2 are typical for normal conditions.

	Mode 25 Values All Values Shown Are Approximate				
	Normal Condition		Active (Tripped)		Trouble
	Valid Range	Typ. value	Valid Range	Typ. value	
Supervised Channel (or Zone) Input					
Active High	8 to 11	9	21 to 31	27	0 to 7 or 12 to 20
Active Low	8 to 11 or 21 to 31	9	0 to 7	1	12 to 20
Contact Closure	8 to 11	9	0 to 7	1	12 to 31
Non-Supervised Channel (or Zone) Input					
Active High	0 to 20	16	21 to 31	27	
Active Low	12 to 31	16	0 to 11	1	
Contact Closure	12 to 31	16	0 to 11	1	
Active High AC Monitoring	0 to 20	16	21 to 31	27	
Active Low AC Monitoring	8 to 31	16	0 to 7	1	
Direct AC Monitoring	0 to 11	1	12 to 31	16	

System Messages

Table 7.2-1 shows the messages that could appear on the LCD of the model 5230 annunciator. If you have a problem that is not covered here, contact Technical Support at 800-328-0103 for assistance.

Table 7.2-1: Explanations of Display Messages

5230 MESSAGE	EXPLANATION/ACTION TO BE TAKEN
AC LOW	AC power has been lost. Check connection to AC power source.
ALARM ZONE 1-4	An alarm condition exists in the indicated zone.
BAD EEPROM 5230 buzzer goes on and off.	Most likely cause is a bad EEPROM chip, which is not an installer-serviceable part. Contact Technical Support if you need to arrange for a warranty exchange.
Line 2: CALLING COMPUTER	System is calling remote computer (for up- or downloading).
Line 2: REPORTING	The system is reporting to the central station.
REPORTING	An event is being reported to the central station.
SYSTEM NORMAL	No trouble, alarm, or other condition exists.
TIME?	The 5128/29 is in Time Set mode.
TROUBLE (line 1) TROUBLE ZONE # (line 2)	Sprinkler supervisory trouble.
TROUBLE (ZONE 1-4)	A trouble condition exists in the indicated zone. If you need help locating the trouble, refer to Section 7.1 for information about zone troubleshooting mode (mode 25).
TROUBLE DIALER	After making the programmed number of attempts, the dialer has not been able to communicate with the central station. (This is a dialer failed condition.)
TROUBLE LINE 1	A trouble condition exists on phone line 1.
TROUBLE LINE 2	A trouble condition exists on phone line 2.
TRY AGAIN	A keystroke error has been made. Press $\boxed{\text{CLEAR}}$ and enter the correct keystrokes.

NOTE: When step programming mode is in use and the 5230 annunciator powers up, the LCD displays messages that describe conditions currently in effect.