

SHIVERS ENTERPRISES  
CORYDON, IOWA

GRAIN LEVEL INDICATOR  
INSTALLATION INSTRUCTIONS

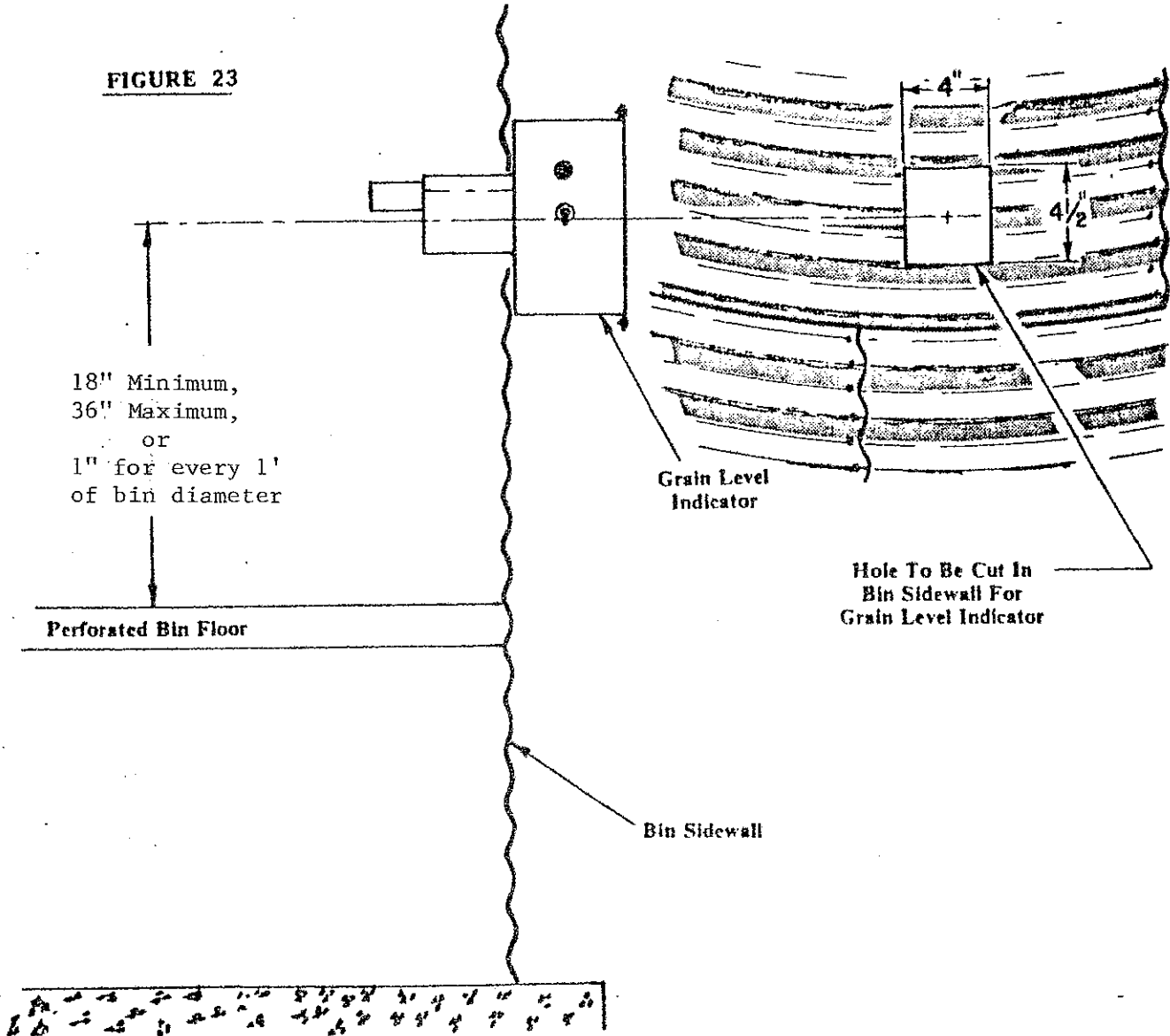
MOUNTING INSTRUCTIONS	PAGE 1
FOR DELUXE (295 SERIES) CIRCUROL	PAGE 2
FOR 1974 THROUGH 1977 CIRCUROL & <b>CSA</b>	PAGE 3
FOR SMALL (296 SERIES) CIRCUROL	PAGE 4
OPERATING INSTRUCTIONS	PAGE 5



INSTALLATION INSTRUCTIONS FOR GRAIN LEVEL INDICATOR

- 1) Read instructions thoroughly. Then proceed as directed.
- 2) The Grain Level Indicator is designed to turn the crop drying burner(s) and the Circuitrol off automatically when the drying bin is almost empty of grain. Mount the Grain Level Indicator on Bin Sidewall (near the Circuitrol Box) as shown in Figure 23.

**FIGURE 23**



# INSTALLING GRAIN LEVEL INDICATOR WITH DELUXE CIRCUITROL

3. Find terminal block lettered A-L on right side of basic Control Panel. Remove and discard bar jumper between terminals A and B and bar jumper between terminals G and H.
4. Connect lettered wire leads from Grain Level Indicator to the corresponding letters on the terminal strip on the main Circuitrol Panel.

WIRE LEAD OF GLI		TERMINAL STRIP IN CIRCUITROL
A	TO	A
B	TO	B
C	TO	C
G	TO	G
H	TO	H

INSTALLING GRAIN LEVEL  
INDICATOR with 1974 to \_\_\_\_\_  
CSA CIRCU-TROLS and 74-77 AMER. CIRCU-TROLS

NOTE: Grain Level Indicators for use with CSA Circu-Trols are normally supplied without the pigtail. If the pigtail is supplied, there must be a determination made between wire "A" that is connected to terminal "1" in the Grain Level Indicator and wire "A" that is connected to terminal "3" in the Grain Level Indicator.

3. Remove and discard the jumper between terminals 2 and 3 in the Circu-Trol. This jumper must be removed!
4. Connect the Grain Level Indicator to the Circu-Trol as follows:

Circu-Trol Terminals	Pigtail (if used)	GLI Terminals
1	A	1
2	C	2
2	A	3
3	B	4
To bottom terminals of two-stage plenum thermostat (R & R)	G	5
To terminal "A" in dryer control box	H	6
		7
Not Used With Shivvers Crop Dryers		8

NOTE: For other than Shivvers Crop Dryers, terminals 5 & 6 should be connected in series with the thermostat circuit to turn off heat when GLI shuts off the machine. Terminals 7 & 8 would then be used for a second burner IF a two burner control kit is not used.

INSTALLING GRAIN LEVEL INDICATOR  
WITH SMALL (296 SERIES) CIRCUITROL

3. Find the terminal block numbered 1 through 8 located on right hand side of Circuitrol. Remove and discard jumper between terminals 1 and 2 and jumper between terminals 6 and 7.
4. Connect leads from Grain Level Indicator to Circuitrol as follows:

CIRCUITROL TERMINAL	TO	PIGTAIL WIRE (IF USED)	TO	GLI TERMINAL
1	TO	A	TO	1
1	TO	A	TO	3
2	TO	B	TO	4
3	TO	C	TO	2
6	TO	G	TO	5
7	TO	H	TO	6

# GRAIN LEVEL INDICATOR OPERATING INSTRUCTIONS

**TO OPERATE:**

1. Turn switch "ON".
2. Fill bin ABOVE this box and dry as normal.
3. Turn switch to "AUTO" AFTER tapered sweep has passed under this box. Restart burner if it dropped out when switching from "ON" to "AUTO".
4. The Grain Level Indicator will now shut off the Circulator (or Dri-Flo) and burner when grain level falls below this box.

**EXPLANATION OF SWITCH FUNCTIONS:**

- ON** Circulator (or Dri-Flo) and burner operate as if Grain Level Indicator is not present.
- OFF** Circulator (or Dri-Flo) and burner are turned off.
- AUTO** Grain Level Indicator will turn Circulator (or Dri-Flo) and burner off when grain level falls below this box.

**GRAIN LEVEL INDICATOR**

TERMINAL REFERENCE

