



## **BALL VALVE POSITION INDICATOR INSTALLATION INSTRUCTIONS**

1. Determine the location of the Position Indicator on the Pump Panel.  
Note: There must be at least a 1 <sup>3</sup>/<sub>8</sub>" clearance behind the Pump Panel.  
Note: The maximum angle between the Valve Shaft and the Position Indicator Shaft cannot be more than 30°.
2. Using the dimensions shown on the attached dimensional diagram cut the rectangle opening and 4 screw holes in the Pump Panel.
3. Install the Position Indicator through the front of the Pump Panel and attach using the Screws, Lock Washers and Nuts provided.
4. Once the Position Indicator has been installed and secured to the Pump Panel, it needs to be timed with the position of the Valve Ball as follows:
  - a. Determine the number of Handwheel turns required for the Valve Ball to go from full open to full closed.
    - 2" - 3 <sup>1</sup>/<sub>2</sub>" Swing-Out Valves and the Style 8840 4" Valve requires 12 <sup>1</sup>/<sub>2</sub> turns.
    - The Style 8940 4" valve required 16 turns.
  - b. From either the full closed or full open position, turn the Gear Actuator Shaft on the Valve half the number of turns determined in the previous step. (The Valve will be in the half open position.)
  - c. Turn the Handwheel on the Position Indicator until the red indicating line shows the Valve is half open.

The Position Indicator installation is complete and ready for installation of the linkage.

### **Akron Universal Joints**

Akron Universal Joints are available for connecting Akron Position Indicators and Akron Valves. A Universal Joint Kit (2 Joints and instructions) is available - P/N 109322. Contact Customer Service for details.

ITEM NO.	DESCRIPTION	PART NUMBER	QUANTITY
1	Indicator Label	729172	1
2	Open Tag	729586	1
2	Open Tag Auxiliary	729585	1
3	Handle Pin	741044	1
4	Bushing	101692	1
5	Roll Pin	744084	1
6	Handwheel Assembly* for 2 - 3 1/2" Valve	78250619	1
6	Handwheel Assembly* for 8840 Valve	88400164	1
6	Handwheel Assembly* for 8940 Valve	78400164	1
7	Flat Washer	784061	1
8	Clear Bezel	707377	1
9	Phillips Screw	763069	4
10	Lock Washer	784106	4
11	Hex Nut	734061	4
12	Panel Plate	745204	1
13	Gear	718161	1
14	Button Head Screw	766051	1
15	Cover Plate	742196	1
16	Button Head Screw	766009	1
17	Handwheel Shaft with 1/4" slot	768464	1
18	Socket Head Set Screw	765042	2
19	Spur Gear	718160	1
20	Allen Head Screw	765016	4
21	Gear	718162	1
22	Ball	704018	1
23	Spring	768181	1
24	Socket Head Set Screw	765083	1
25	Bushing	803119	1
26	Hex Nut	734092	1
27	Horizontal Escutcheon Plate	742249	1
27	Vertical Escutcheon Plate	742186	1
27	Auxiliary Horizontal Escutcheon Plate	742250	1

\*Includes Handwheel plus Items 2 through 5.

Figure 1

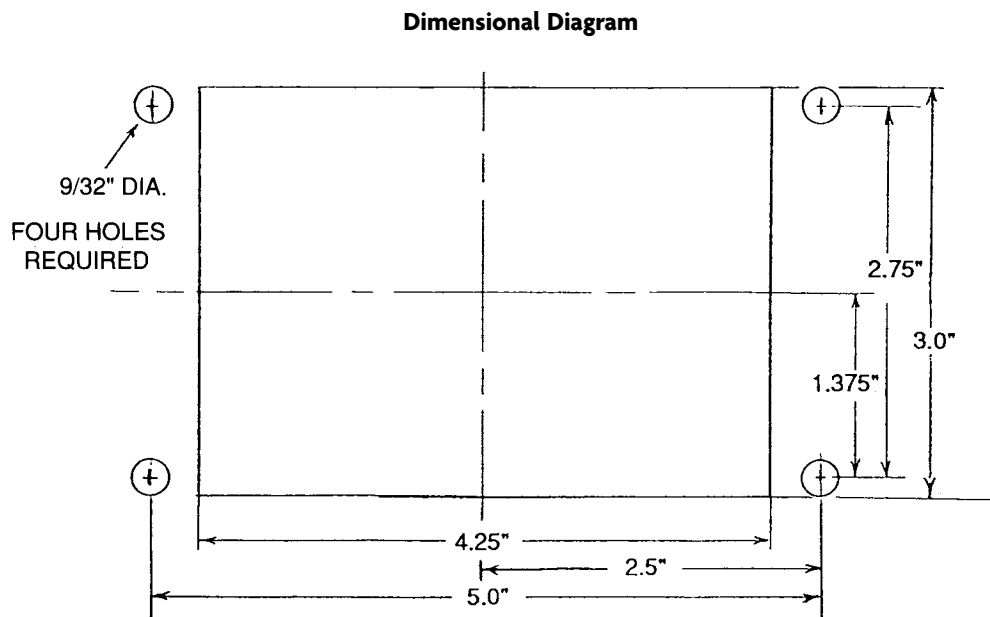
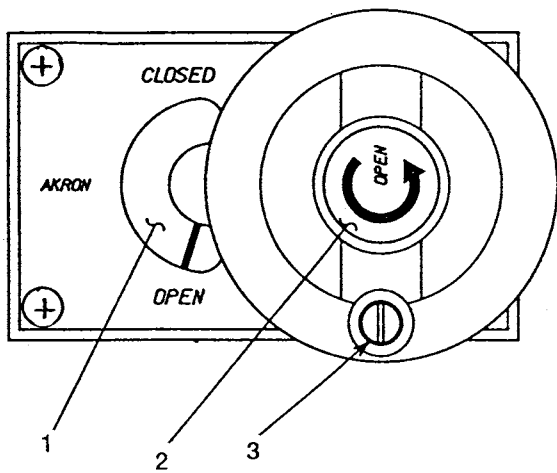
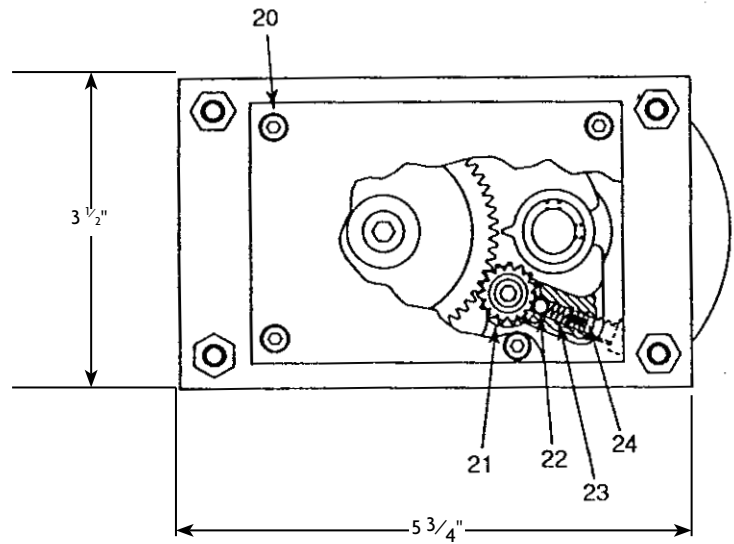
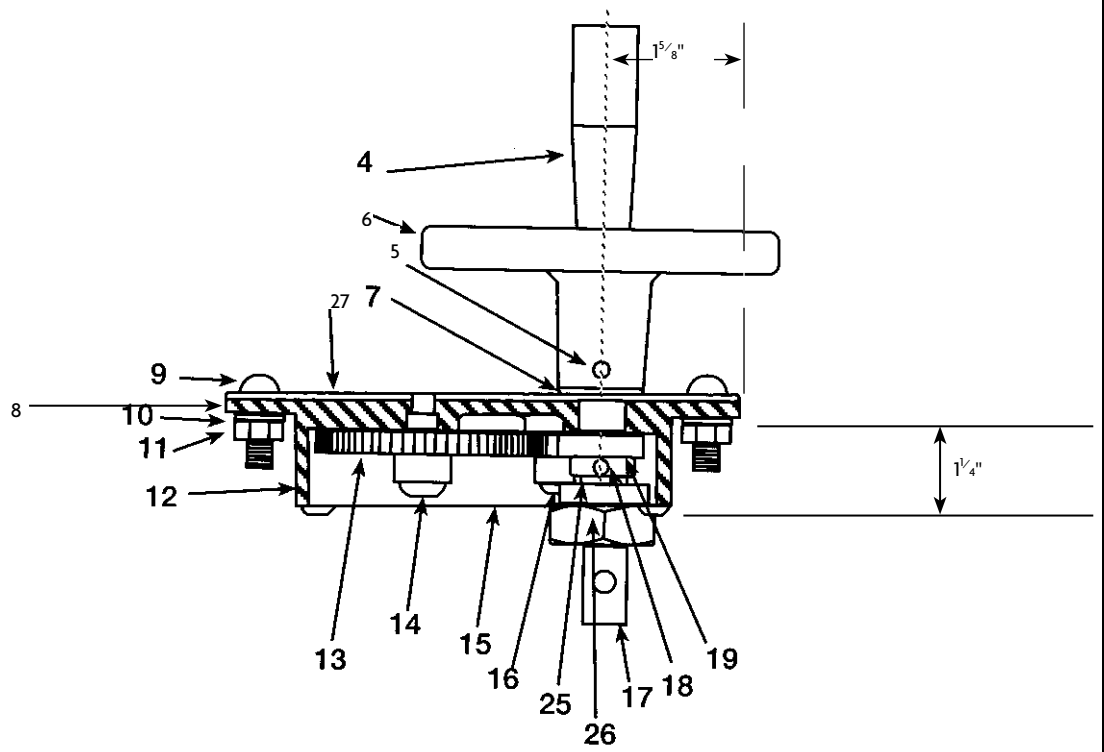


Figure 2





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