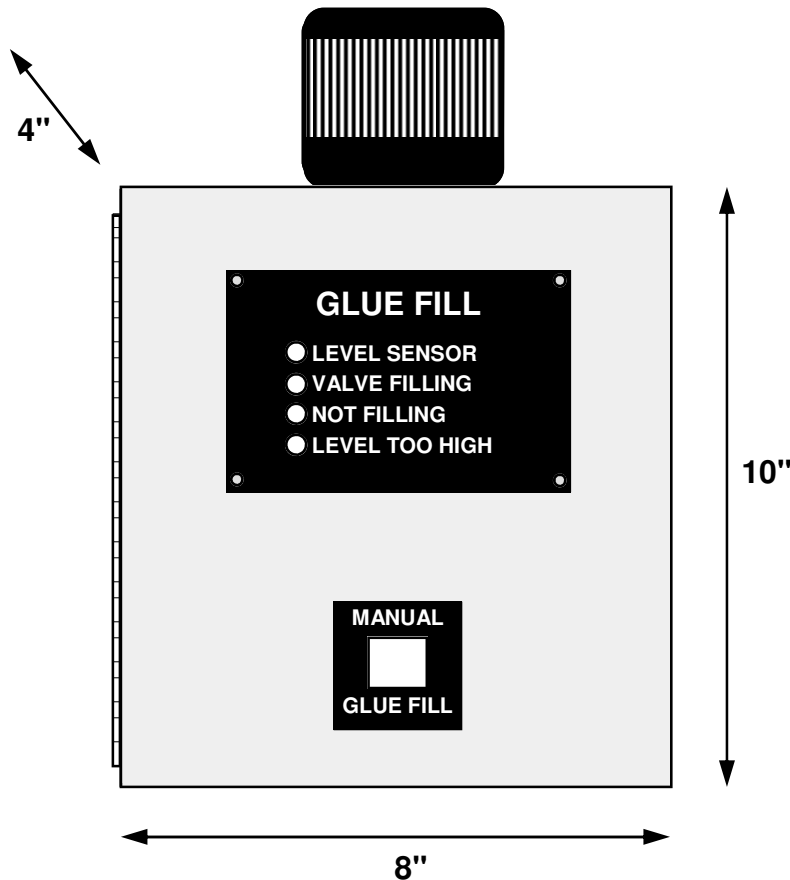


MODEL 1000
TRAINING MANUAL

MODEL 1000 • GLUE POT LEVEL CONTROL



The model 1000 controller accurately maintains the fluid level of any glue pot. The system monitors low, high, filling, and non-filling conditions. You simply mount the photo eyes above the glue pot, and the controller does the rest!

The system is supplied with a Teflon seated guillotine type valve, which is unaffected by harsh solvents. This valve also operates under very low pressures, allowing the glue to have unrestricted flow throughout the system. An additional valve may be supplied to control the main glue supply line, thus eliminating the possibility of over-filling your glue pot due to a system or valve malfunction.

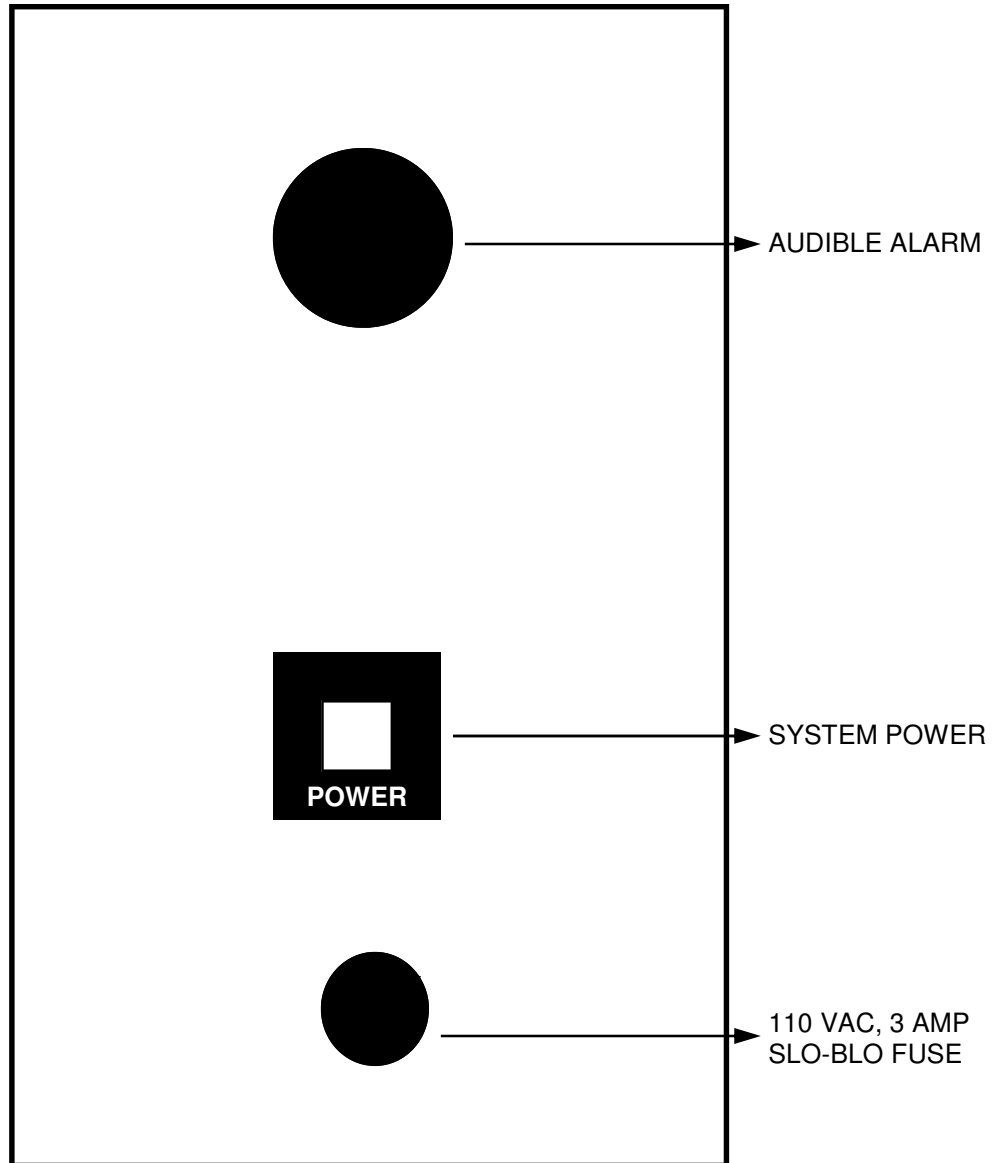
The controller also features L.E.D. indications of the glue pot's condition. Low and high level states are audibly and visually indicated through the alarm outputs of the controller.

Maintenance of the sensing element is minimal since the photo eyes never make contact with the glue. The model 1000 controller was designed to automatically maintain constant glue pot levels, while your gluer continues to run without filling interruptions.

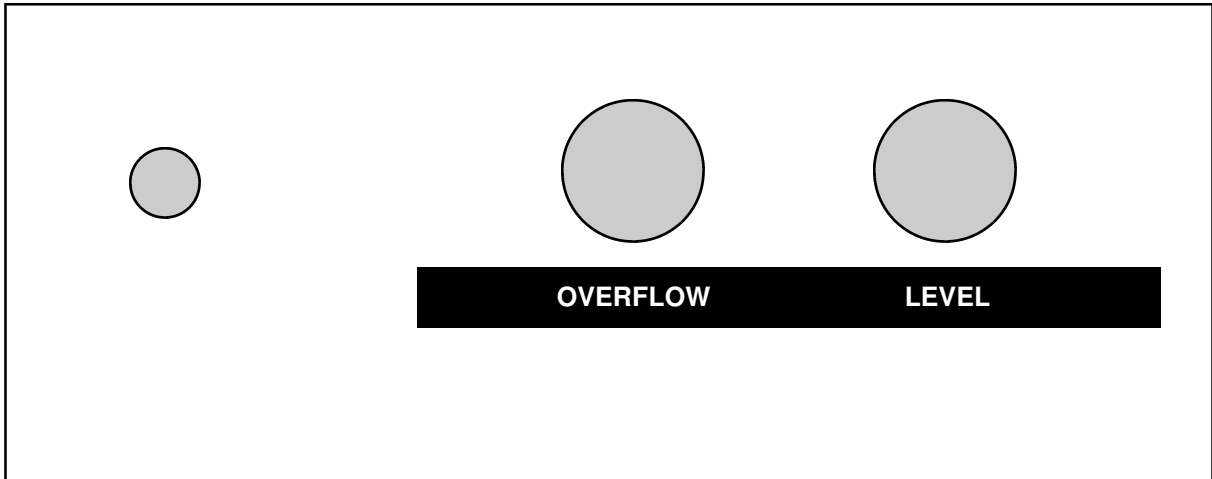
▶ FEATURES

- Programmable processor.
- Automatically controls adhesive level.
- Maintains constant level at 1/4" increments.
- Monitors low and high level conditions.
- Low and high level differential up to 6".
- Low and high level alarms.
- Level control easily adjusted.
- No probes or material making contact with the adhesive.
- Panel indicates level and valve conditions.
- System uses Teflon seated guillotine type valve (unaffected by harsh solvents).
- Manual glue fill to test valve operation.
- Automatic main glue shut-down to eliminate over filling.
- Industrial enclosure with mil. spec. type connectors.

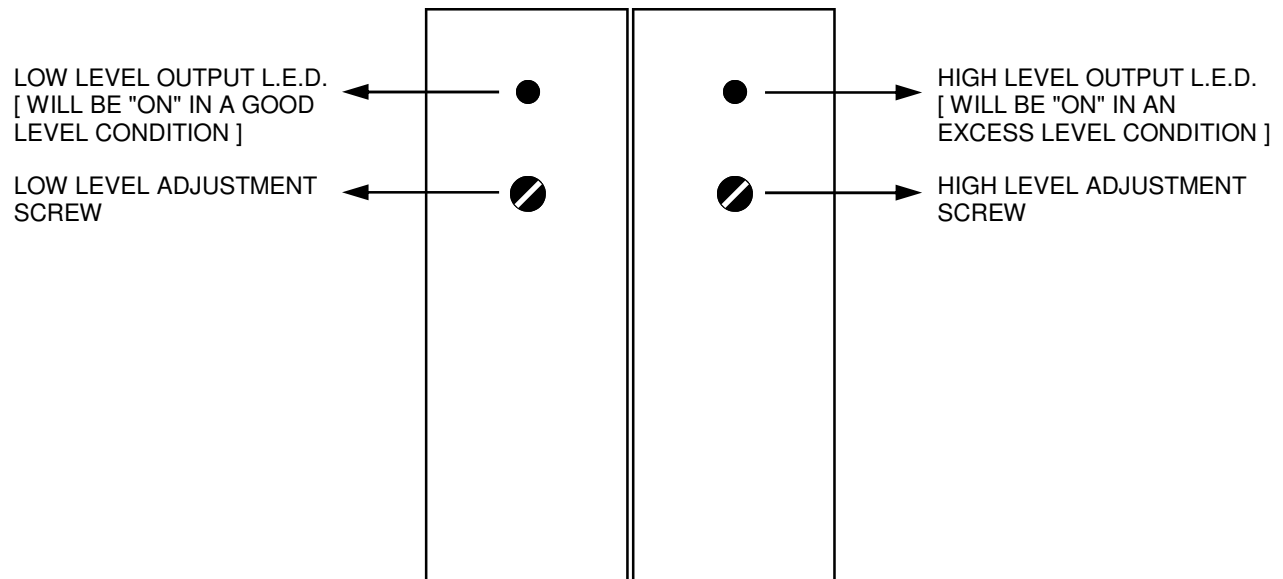
RIGHT SIDE PANEL



BOTTOM PANEL



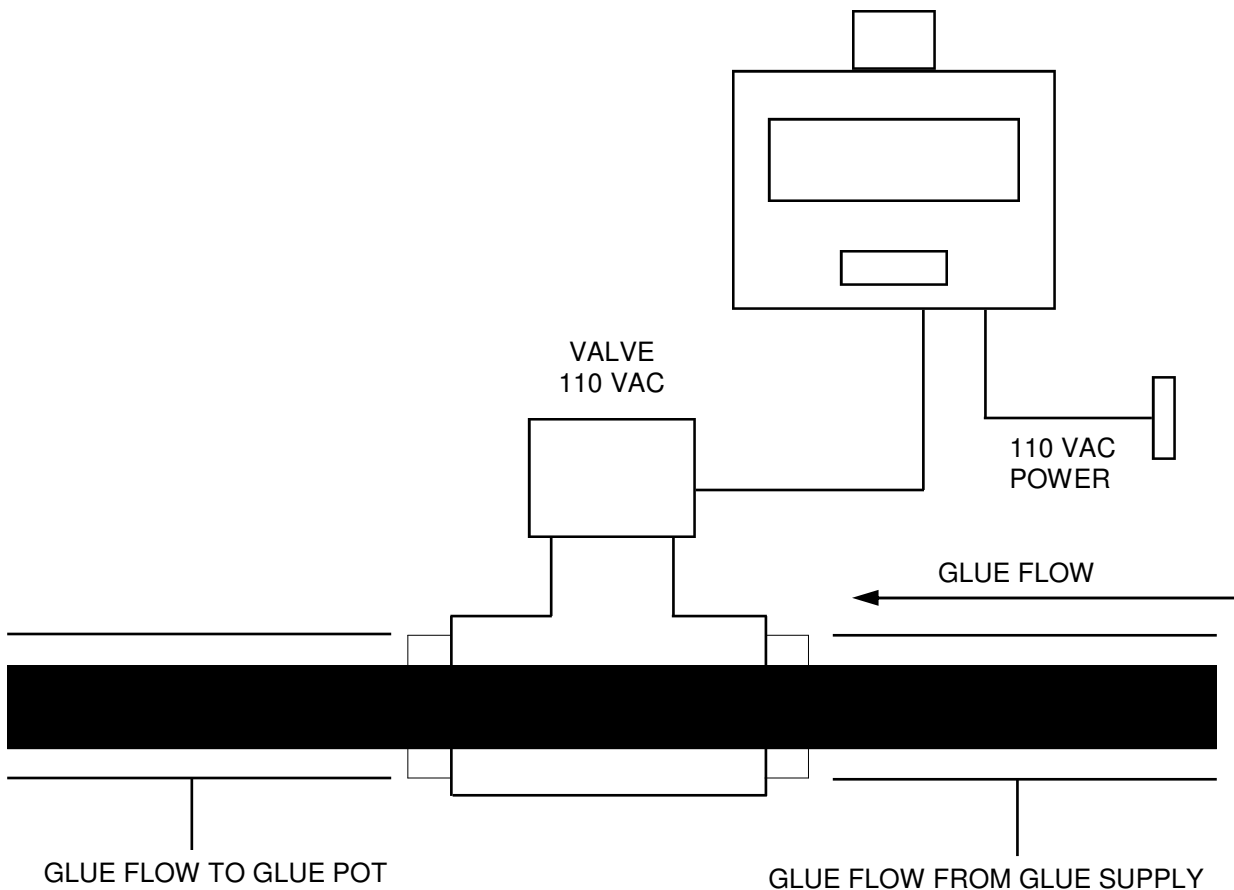
MODEL 1000 • GLUE POT SENSOR ADJUSTMENTS



SET-UP PROCEDURE:

1. Mount the sensors so that they are looking down into the glue pot. The range of these sensors is (1-8) inches.
2. Turn the unit's power "on".
3. Activate the manual glue fill switch on the front of the controller until you have filled the glue pot to the desired level.
4. Turn the LOW LEVEL ADJUSTMENT SCREW clockwise and counter-clockwise until you find the switching point of the sensor (this is the point where the L.E.D. on the sensor goes "on" and "off").
5. Slightly turn the ADJUSTMENT SCREW so that the L.E.D. stays "on". This is your desired level setting.
6. Turn the HIGH LEVEL ADJUSTMENT SCREW clockwise and counter-clockwise until you find the switching point of the sensor (this is the point where the L.E.D. on the sensor goes "on" and "off").
7. Turn the ADJUSTMENT SCREW 1/4 turn counter-clockwise; this is your high level setting. The excess level alarm will sound if this sensor sees glue for more than 60 seconds.

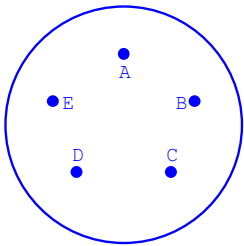
BLOCK DIAGRAM



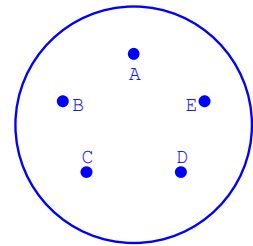
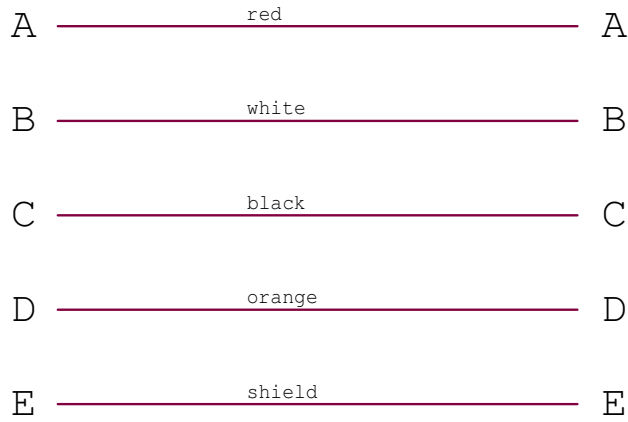
1. Attach the 110 VAC cable from the controller to the valve.
2. Attach the glue supply to the valve, make sure to follow the flow markings on the valve.

Note: Plastic tubing and valve fittings are not supplied with the unit.
3. When the low level sensor no longer sees glue for a minimum of [60] seconds, the controller activates the 110 VAC valve. This valve stays activated until the glue pot is filled to the desired level.
4. If the glue pot doesn't fill to the desired level within [2] minutes, the controller indicates a failed condition.

GLUE FILL SENSOR CABLE



5-Pin Female
Inline Amphenol



5-Pin Male
Amphenol

- A POWER
- B LOW LEVEL
- C GROUND
- D HIGH LEVEL
- E SHIELD