

INSTRUCTION MANUAL

MLD-35

MISSING LID DETECTOR

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WARRANTY

The manufacturer warrants each unit for a period of one year to be free of defects in material and workmanship under normal use and service, the obligation of the manufacturer under this warranty being limited to replacing *at the factory of manufacture* any part of said unit found to be defective.

This warranty is expressly in lieu of all other warranties and representations, expressed or implied, and all other obligations, liabilities, and consequential damages which might arise out of the utilization of this equipment.

1 INTRODUCTION

1.01 DESCRIPTION

The MLD-35 Missing Lid Detector is a simple device designed to provide a reliable means of removing containers without lids from the production line before they can get into the cooker or otherwise contaminate the line with their contents.

The MLD-35 consists of the sensor assembly, the logic unit and the container rejector. All components are mounted directly to the line for ease of installation. There are no operating controls except for the ON-OFF Switch. The system utilizes modular construction for ease of trouble shooting and maintenance. We believe it is nearly bullet proof.

2 INSTALLATION

2.01 PRELIMINARY

Select a place on the line close to the closing machine. The installation requires about 12" - 15" of line space.

Select the spot where the rejector is to be mounted, with provision on the opposite side of the conveyor to accept rejected containers. This can be a tray, a barrel or a takeaway conveyor. Clamp the Rejector Mounting Bracket to the line. Mount the MLD Mounting Block to the conveyor at a point where the Lid (upper) Sensor of the MLD can be positioned near the center of the lid of a can positioned directly in front of the rejector. This can be either upstream or downstream from the rejector. Be sure that the MLD assembly does not interfere with the rejector.

2.02 PERMANENT INSTALLATION

Mount the Sensor Assembly, Logic Housing and Rejector to the side of the conveyor, using the hole patterns shown in Figure 2-2. Bolt the Sensor Mounting Block to the conveyor using two 1/4-20 X 3/8" cap screws, from the inside of the conveyor. Bolt the Logic Housing and Rejector to the side of the conveyor. The Rejector should be mounted so that it can be raised to a point where the plunger hits the can about 1/3 of the can height above the conveyor chain. Remove the guide rail(s) opposite the rejector from one can diameter before to two can diameters past the rejector.

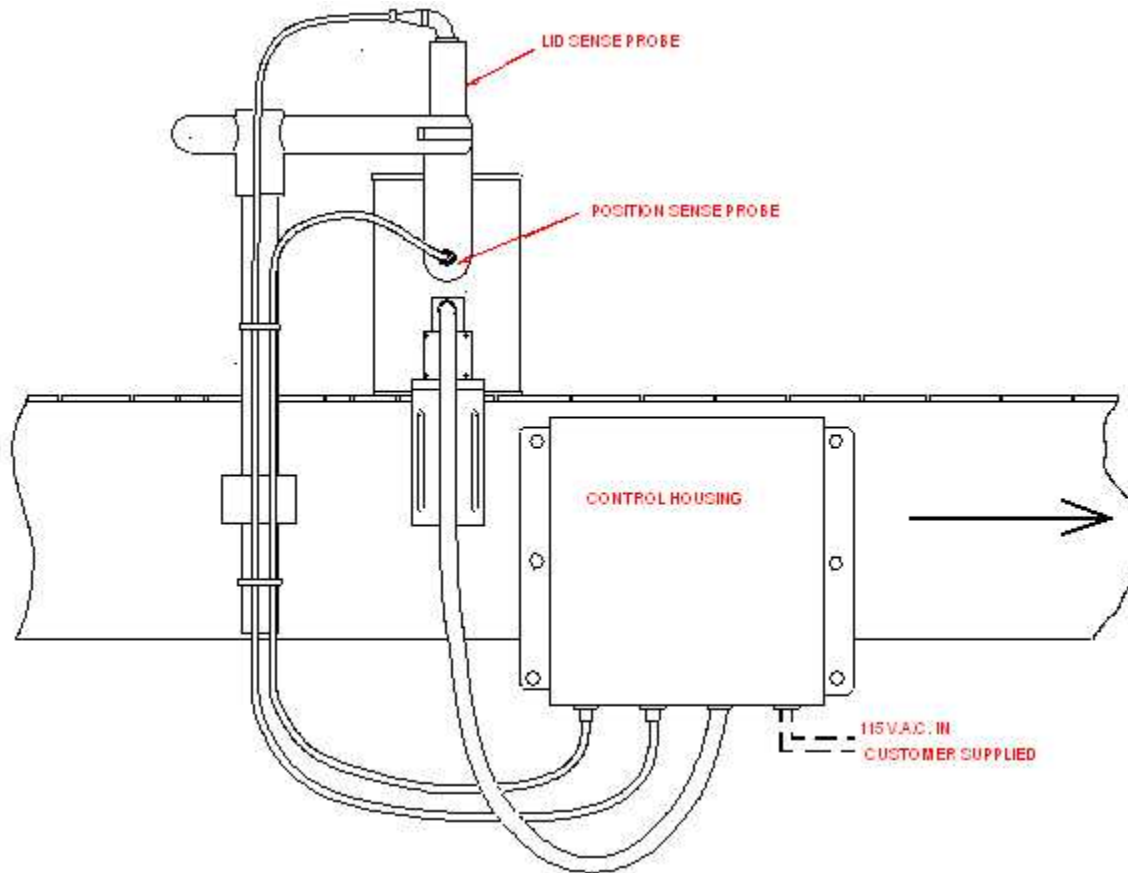


Figure 2.1 MLD-35 Installation

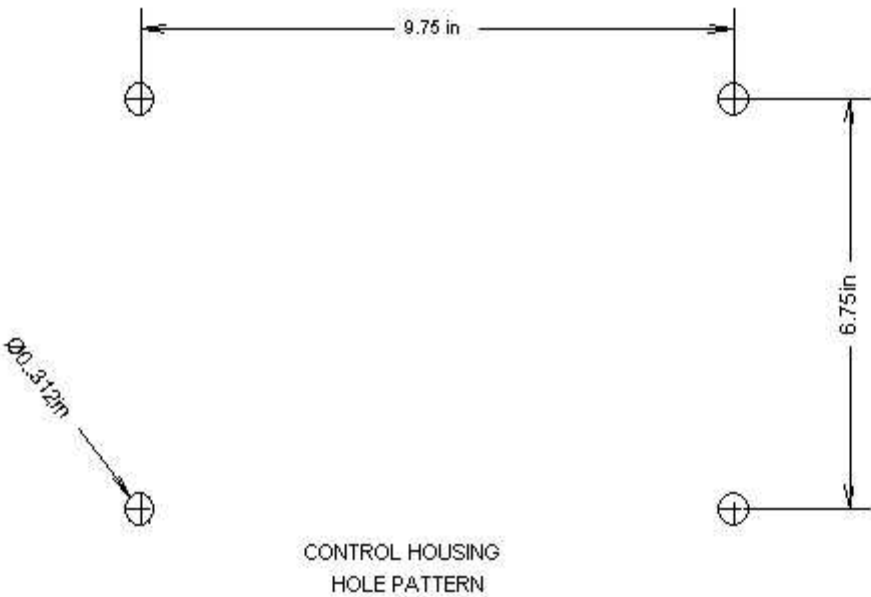
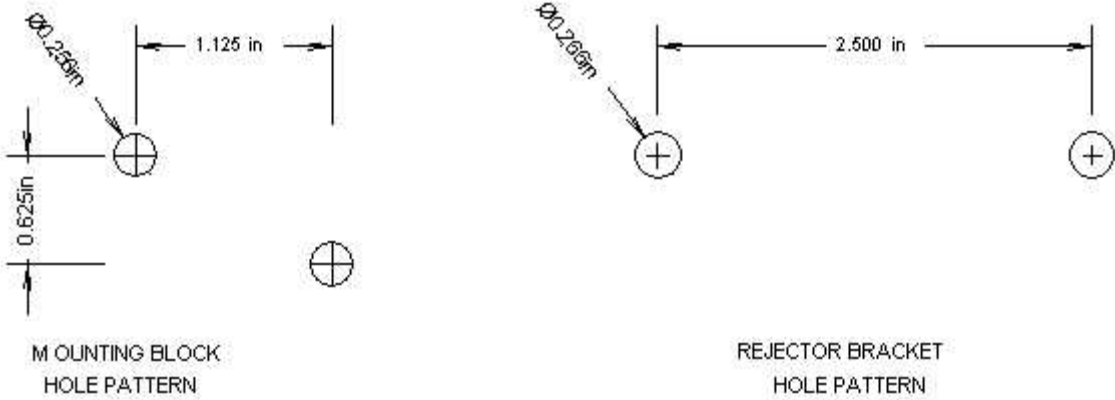
2.02 POWER REQUIREMENTS

Power requirements are 115 v.a.c. @ 2 amps and plant air - 100 p.s.i. to 120 p.s.i. Install a FRL unit in the line before the rejector. 1/4 inch tube is adequate for the air supply.

2.03 Connect an air line from the FRL unit to the marked 1/4" inlet at the Rejector Valve. Set regulator pressure to zero p.s.i.

2.04 Bring 115 v.a.c. line into the control housing through the right hand access hole in the bottom of the housing. Connect to the terminal block in the upper right corner of the housing. Match the colors on the housing wiring, black 115 v.a.c., white neutral and green ground.

Figure 2.2 Mounting Hole Patterns



This completes installation. Keep air pressure at zero.