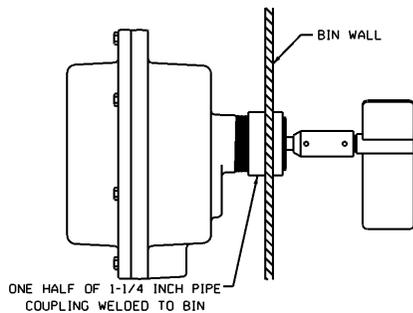
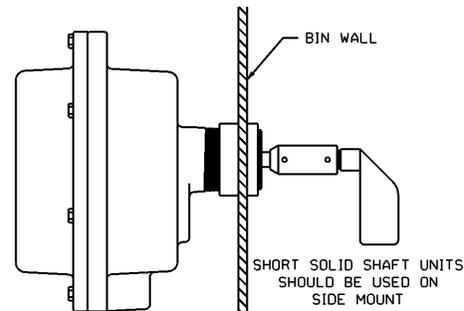


### With Short Solid Shaft



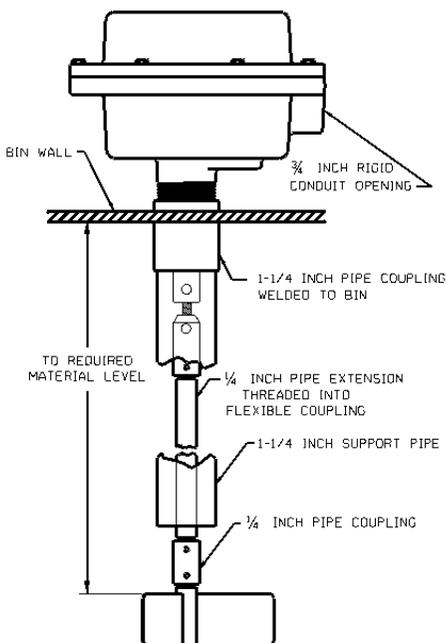
### With Insertable Paddle



## SIDE MOUNT

1. Locate and cut hole into side of bin to fit outside diameter of 1 1/4" pipe coupling.
2. Weld one half of standard 1 1/4" pipe coupling to bin wall flush with inside of bin.
3. Insert hub into coupling and turn to desired conduit position.
4. Screw paddle into place and replace lock pin.
5. Shaft and paddle should be shielded in low level mounting when subjected to material flow.
6. For side mounting, the GRSS-1 solid coupler is recommended

### With Flexible Shaft



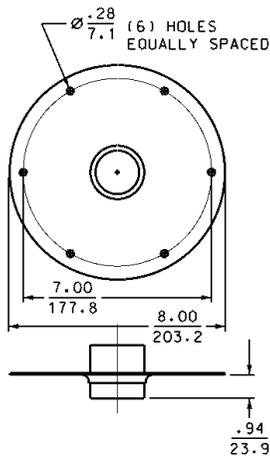
## TOP MOUNT

1. Locate and cut hole in top of bin to fit outside diameter of 1 1/4" pipe coupling (1.950").
2. Position coupling halfway into bin and weld.
3. Turn hub of unit until conduit opening is in desired location.
4. Add 1/4" extension pipe to desired length with standard 1/4" coupling on bottom end.
5. Cut 1 1/4" support pipe approximately 4" longer than overall length 1/4" pipe shaft when used with GRFC-1 flexible coupling.
6. Insert 1 1/4" pipe into coupling and tighten.
7. Insert paddle into 1/4" coupling and drill holes for lock pin.

**Note:** \* If material is extremely heavy, only top mounting is recommended.  
\* Short solid shaft should be used when mounting on side of bin for low or intermediate levels.

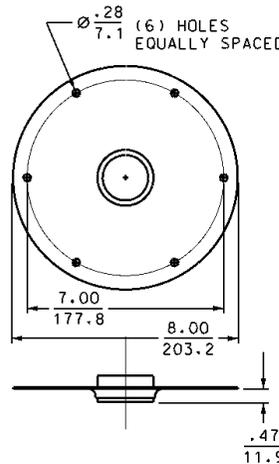
### MOUNTING PLATES

Mounting plates are necessary when a completely assembled unit is to be mounted on a curved or flat bin wall - from the outside! A 5 1/2" hole is cut in the bin. Six bolt holes are then drilled around the hole to match the mounting plate. The plate, with the unit attached, is then bolted in place. All mounting plates are available in carbon and stainless steel.



#### Full Coupling

For use with all Model GR, GR11, GRD and GRDX series Rotary level controls. This model is used for top of bin installations where shaft extensions and shaft guards are required.



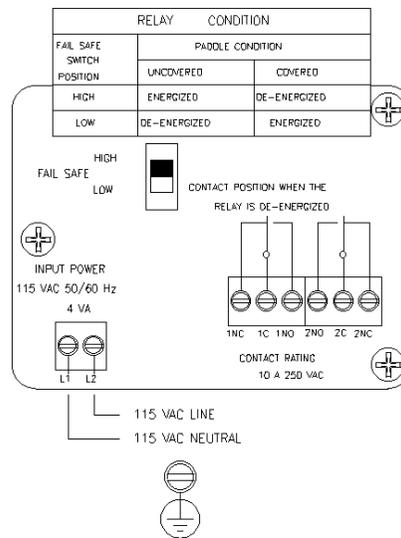
#### Half Coupling

For use with all Model GR, GR11, GRD and GRDX series Rotary level controls. This model is used primarily for the side of bin installations.

### POWER REQUIREMENTS

#### Power Requirements

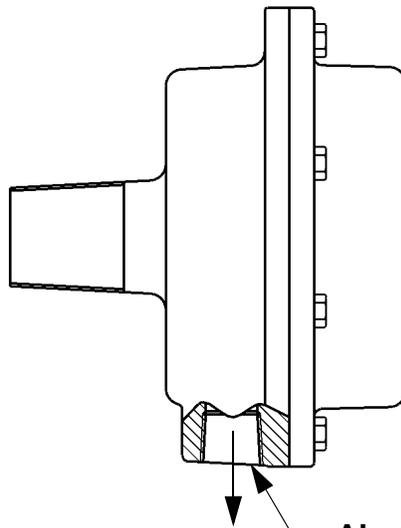
The GRD series is offered in both AC and DC voltage Models. The AC models come in either 115 VAC or 220 VAC versions. The DC models come in either 12 VDC or 24 VDC versions.



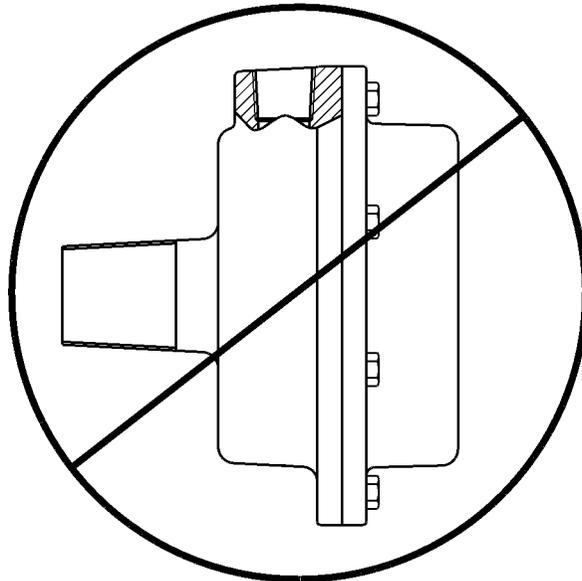
#### Relay Output

The GRD series output relay is switch selectable for FAIL SAFE HIGH or FAIL SAFE LOW operation. The relay contacts are rated at 10A 250 VAC.

# Mounting Instructions



Always Mount Unit with Conduit Opening Down



## CONDUIT SEAL

When installing this level indicator in environments where it is possible for moisture or moist air to enter the enclosure thru the electrical conduit, the conduit opening should be sealed with a duct seal compound or putty appropriate for the purpose.

# **BINMASTER**

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