Please remember that safety is the number one priority. Use caution during all phases of the assembly process. Wear proper PPE (personal protective equipment) and follow the safety recommendations included in the manual provided with your equipment.

OVERFLOW RELIEF DOOR SWITCH
for
M50, M85 & M150 MASS-TER MOVER, 9” & 13” MASS-TER FLOW
and
9” & 13” MASS-TER FLOW w/ REVERSING BOOT

This kit is designed to be used on the head assembly or reversing boot of the Mass-Ter Flow and Mass-Ter Mover models. The switch can be wired to provide a signal or alarm should the discharge become blocked, causing the door to open due to excessive pressure from the grain.

Before beginning assembly it is suggested to read through these instructions and lay out all items from the kit to ensure all parts are accounted for. This not only helps you become familiar with the parts and assembly procedures, but also makes you aware of what tools, equipment or materials you may need to complete the installation process.

The existing hardware can be used for installation of the limit switch or, the existing hardware can be replaced using the hardware provided with the kit.

Install Limit Switch

1. If using the existing hardware, loosen the bolts enough to allow the mount bracket to slide between the bolt head and retaining plate.
   If replacing the hardware, remove the existing bolts and replace with the 3/8" x 2 1/2" bolts and nylon locknuts from the kit.
   Orient the mount bracket as shown in Fig. 1 and secure into place (the bracket can mount on either side of the door at the discretion of the installer.

2. Attach the limit switch to the mount bracket using the hardware provided with the switch.
   The acuator rod on the limit switch can be formed to permit the optimum opening position of the door (See Fig. 3 on Page 2). Adjust so the limit switch functions when the door is slightly open triggering the switch.
Install Limit switch (con’t.)

3. Connect the limit switch to the desired warning signal or alarm. After power has been established, check limit switch for proper operation.

Limit Switch Specifications

BZ Series Basic Switch SPDT, 15A
15A @ 125VAC, 250 VAC or 480 VAC
Limit Switch Model: BZE6-2RN62

Warning! Shut off power and lockout power source whenever servicing or working on the conveyor.

Electric controls shall be installed by a qualified electrician and must meet the standards set by the National Electrical Code and all local and state codes.

Ref. No. | Part No. | Description                              |
---------|---------|------------------------------------------|
1        | 1045793 | Bracket, Limit Switch Mount (f/ M50, M85 MM & 9” & 13” MF) |
(1)      | 1047532 | Bracket, Limit Switch Mount (f/ M150 MM)   |

Ref. No. | Part No. | Description                              |
---------|---------|------------------------------------------|
2        | 1027193 | Limit Switch, SPDT 15A (Model BZE6-2RN62) |
3        | 33375   | Bolt, 3/8-16 x 2 1/2” G5 PLT              |
4        | 33136   | Nut, 3/8-16 Nylon Lock PLT                |