ARCH

ENVIRONMENTAL
EQUIPMENT, INC.

ELECTRICAL CONTROLS DIVISION

BLOCKED CHUTE DETECTOR (BCD)
INSTALLATION AND OPERATION

09/2005

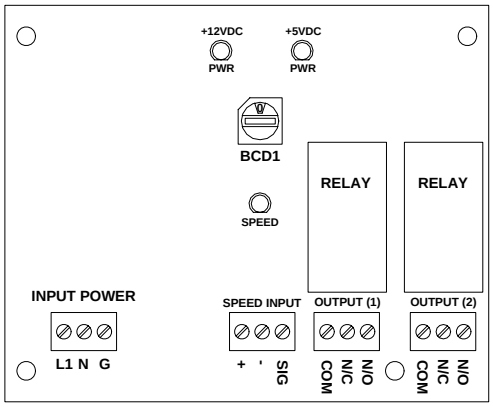

FIG 1 (Main PCB)

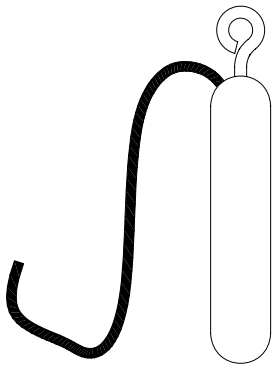

FIG 2 (Blocked Chute Probe)

The Arch Environmental Equipment, Inc. Blocked Chute Detector (BCD) is a simple to use detector. The detector will energize two output relays if the Blocked Chute Probe is tilted past 15° for longer than the delay time that is user selectable.

CONNECTIONS

1. Connect de-energized 110Vac to the 110Vac terminals labeled L1, N, and G.
2. Connect the Block Chute Probe to the SPEED INPUT terminals . White conductor to the (+) terminal and , Black conductor to the (SIG) terminal.
3. Connect the COM terminal and one of the N/O terminals in series with motor contactor circuit.
4. Energize 110Vac.
5. The BCD is now operational.

PROBE DELAY SETTINGS

The Probe Delay Setting is set by turning the BCD1 switch on the Main PCB.

0 – Instant, and 1-9 seconds.