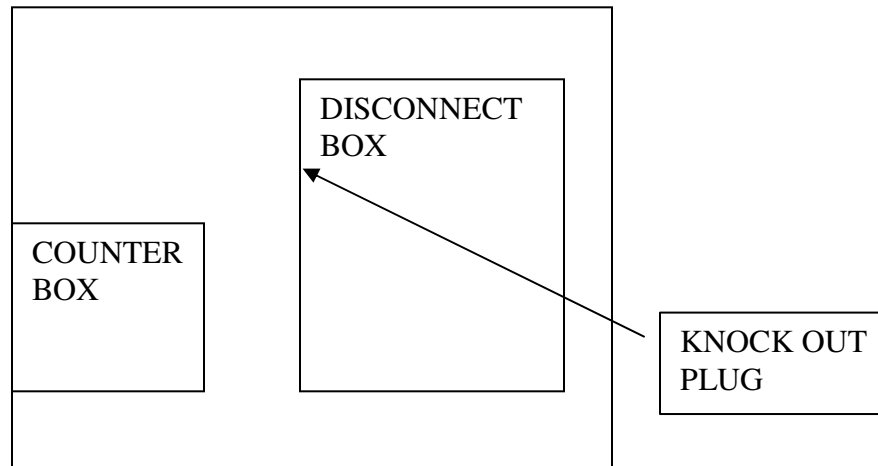


# COUNTER INSTALLATION –MAC VALVES

(WIRING DIAGRAM IN COUNTER BOX)

1. POSITION COUNTER BOX TO LEFT OF DISCONNECT BOX ON CONTROL PANEL. THE BOTTOM OF THE COUNTER BOX SHOULD BE EVEN WITH THE BOTTOM OF THE DISCONNECT BOX. (SEE ILLUSTRATION BELOW) MARK THE 4 HOLES TO BE DRILLED.



2. DRILL THE 4 HOLES USING AN **11/64"** DRILL BIT AND ATTACH COUNTER BOX WITH 4 SELF-TAPPING SCREWS SUPPLIED.
3. KNOCK OUT THE LEFT UPPER PLUG FROM THE DISCONNECT BOX AND ATTACH THE CONDUIT.
4. CONNECT THE BLACK WIRE TO THE BOTTOM POWER LUG ON THE DISCONNECT SWITCH. (OTHER BLACK WIRES ARE ATTACHED TO THIS LUG.)
5. CONNECT THE WHITE WIRE TO THE BAR WHERE THE OTHER WHITE WIRES ARE ATTACHED IN THE DISCONNECT BOX.
6. ATTACH THE GREEN WIRE TO ANY OF THE 4 HOLD DOWN SCREWS FOR THE DISCONNECT BOX. (ATTACH THE SPADE TERMINAL TO THE END OF THE WIRE TO MAKE IT EASIER TO SLIDE UNDER THE SCREW.)
7. ATTACH THE RED WIRE TO THE YELLOW WIRE MARKED "4". THIS IS THE WIRE FOR THE TOP VERTICAL PROXIMITY SENSOR.
8. OPEN COUNTER BOX AND DETERMINE WHICH WIRE (NORMALLY OPEN-WHITE OR NORMALLY CLOSED-RED) TO CONNECT TO THE POWER WIRE OF YOUR MECHANISM YOU INTEND TO CONTROL. THE WHITE WIRE IS THE COMMON AND THE GREEN WIRE THE GROUND.
9. TURN ON POWER AT THE SANDBLAST DISCONNECT SWITCH. TEST COUNTER BY TURNING IT TO 10 AND MANUALLY TRIPPING THE UPPER VERTICAL PROXIMITY SWITCH. (ANY PIECE OF METAL HELD WITHIN 1" WILL TRIP THE SENSOR.)
10. WHENEVER THE VERTICAL STROKE COMPLETES ONE FULL REVOLUTION DOWN AND BACK UP IT WILL REDUCE THE COUNTER BY 1.

REV. 2/19/03

COUNTER INSTALLATION