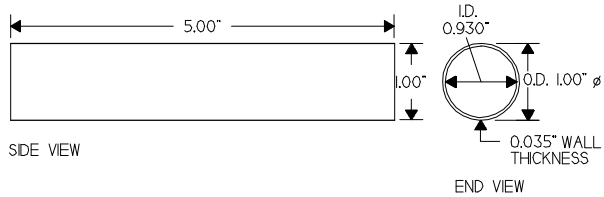


ASPIRATED THERMISTOR COMPONENTS

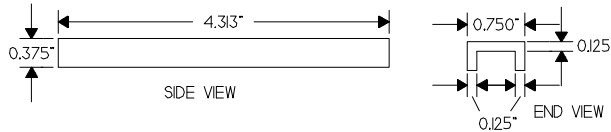
COMPONENT #1 - OUTER THERMISTOR TUBE

5 INCH LONG BY 1 INCH OUTSIDE DIAMETER SEAMLESS DRAWN ALUMINUM TUBING WITH 0.035" WALL THICKNESS



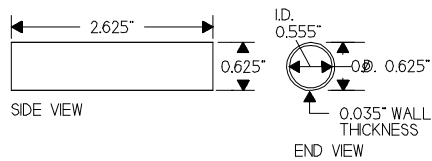
COMPONENT #3 - THERMISTOR BASE

4.313 INCH LONG EXTRUDED ALUMINUM CHANNEL 0.750 INCH WIDE AND 0.375 INCH HIGH AND WALL THICKNESS OF 0.125 INCH.



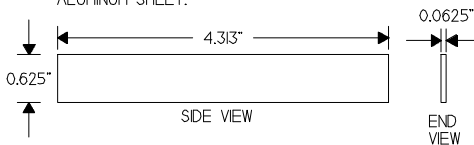
COMPONENT #2 - INNER THERMISTOR TUBE

2.625 INCH LONG BY 0.625 INCH OUTSIDE DIAMETER SEAMLESS DRAWN ALUMINUM TUBING WITH 0.035" WALL THICKNESS



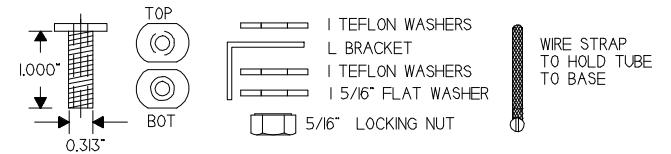
COMPONENT #4 - SIDE PLATES

4.313 INCH LONG BY 0.625 INCH WIDE BY 0.0625 THICK ALUMINUM SHEET.



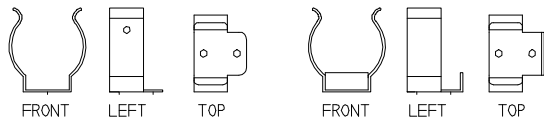
COMPONENT #7 - MOUNTING STUD / WIRE GUIDE/ BRACKET

5/16 INCH DIAMETER BY 1 INCH LONG BRASS COMMUNE BOLT WITH A 3/16 INCH HOLE THRU CENTER



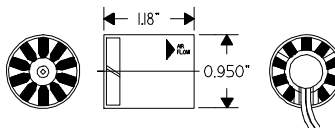
COMPONENT #5 - TUBE HOLDER

BATTERY CLIPS FOR C-CELL SIZE BATTERIES (2 REQUIRED)



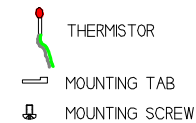
COMPONENT #6 - ASPIRATOR FAN

MICRONEL VANEAXIAL FAN MODEL # D241L 0.95 INCH DIAMETER BY 1.18 INCHES LONG



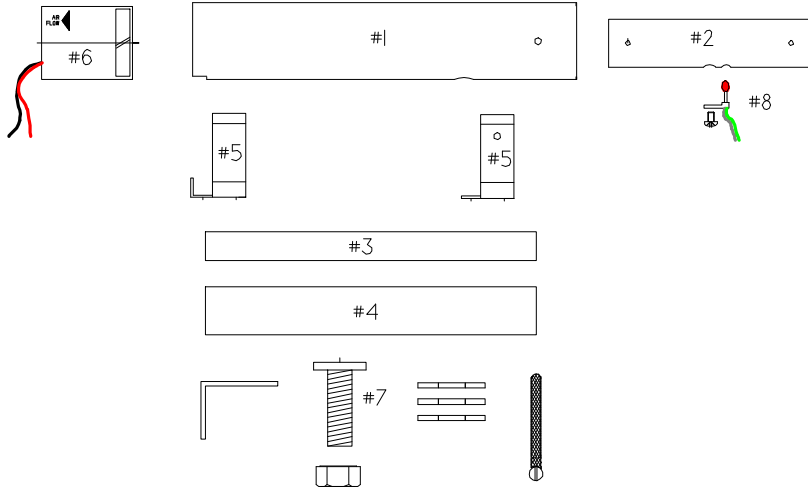
COMPONENT #8 - THERMISTOR AND MOUNT

YSI PRECISION THERMISTOR - YSI 44033 NEWARK ELECTRONICS (800-463-9275) PART NUMBER: 29F228

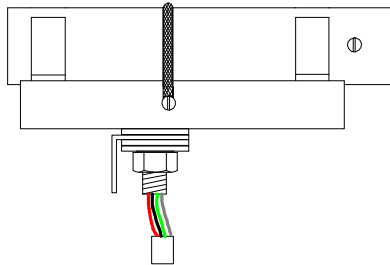


ASPIRATED THERMISTOR ASSEMBLY VIEWS

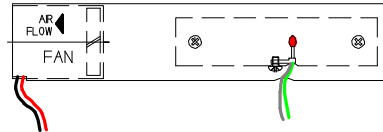
EXPLODED VIEW OF MAJOR COMPONENTS



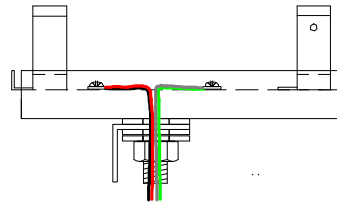
ASSEMBLED ASPIRATED THERMISTOR



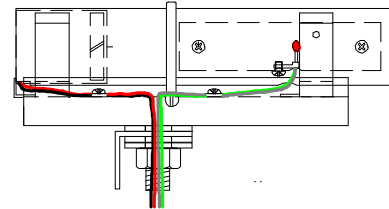
ASPIRATOR TUBE ASSEMBLY



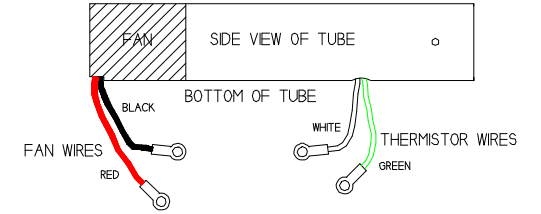
ASPIRATOR BASE ASSEMBLY



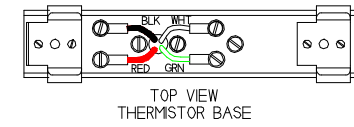
ASPIRATOR TUBE AND BASE ASSEMBLY



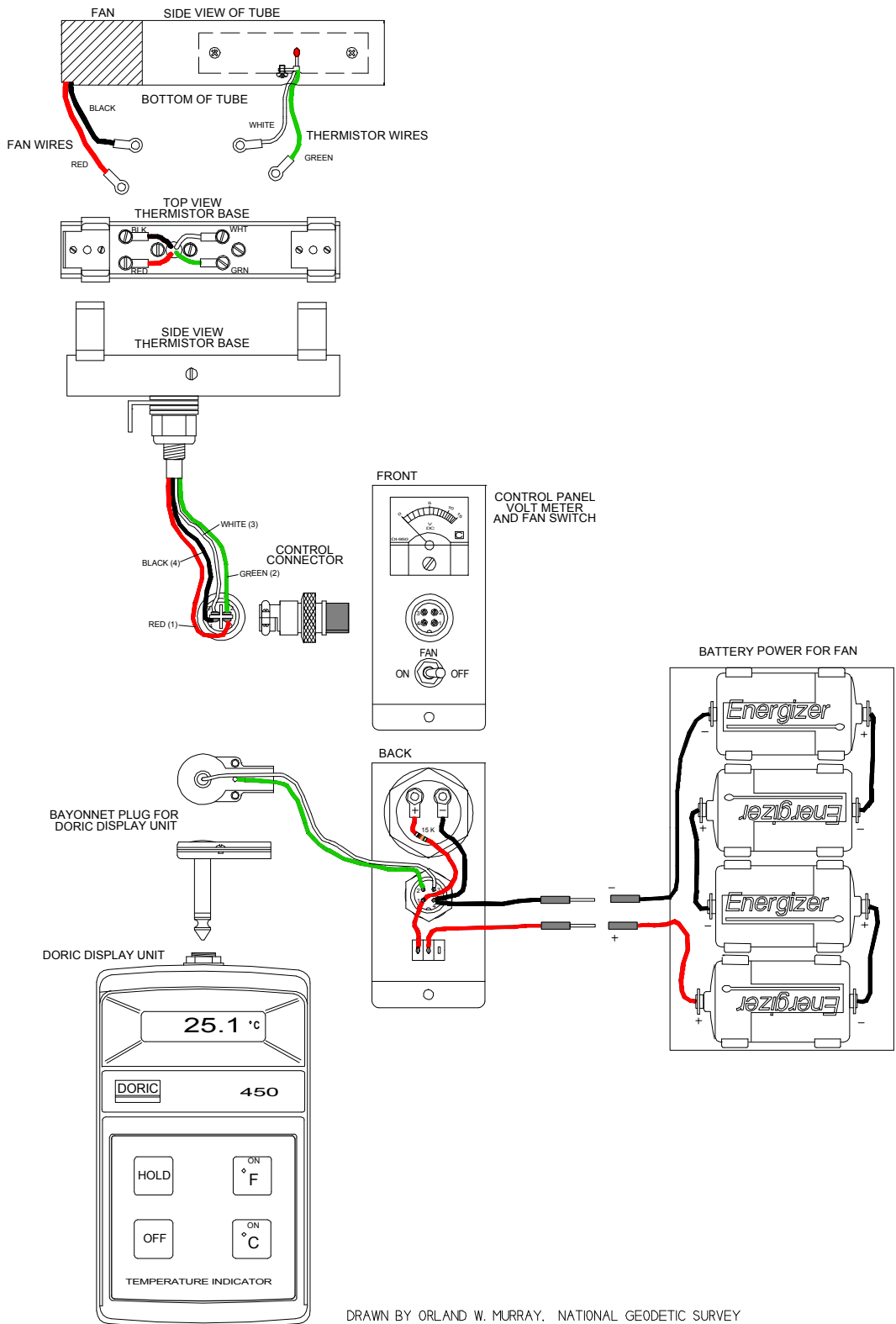
FAN AND THERMISTOR WIRING TO BASE



BASE WIRING TO POWER & DISPLAY UNITS



ASPIRATED THERMISTOR AND DORIC DISPLAY WIRING DIAGRAMS



DRAWN BY ORLAND W. MURRAY. NATIONAL GEODETIC SURVEY