

INSTALLATION INSTRUCTIONS FOR MICROPROCESSOR BTU METER



A BTU Meter installation consists of the following main parts:

Flow Meter - With reed contact closure to transmit flow with two wires to BTU Meter (Position 11 & 12).

2 Wells - One for hot side, one for cold side of heating or cooling loop.

BTU Meter - With 2 temperature sensors attached
Blue = Cold Side Red = Hot Side

Power Source - Supplied by Battery or 24V Converter.

INSTALL THE BTU METER IN A DRY LOCATION WHERE IT IS ALSO EASY TO READ

ASSEMBLY

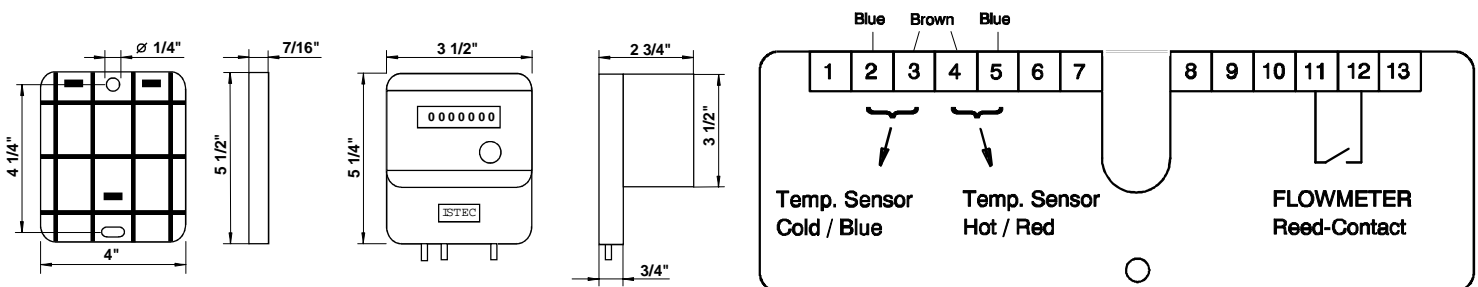
A. Attach the back plate for the BTU Meter to the wall. The two hooks on the back plate are on top. Make sure that the temperature sensor cables from the BTU Meter reach the wells. The temperature sensor cables should not be lengthened or shortened.

B. Remove screw on lower part of BTU Meter housing. Connect the BTU Meter to the top hooks (1 & 2) and push the Meter up so that the lower hook (3) enters into the Meter assembly. Push the Meter against the back plate until the #3 hook engages.

C. Connect the two wires from the Flow Meter to positions 11 and 12 (no polarity). These wires can be lengthened or shortened. Maximum length is 400 feet. Make sure that the arrow on the Flow Meter housing points in the water flow direction.

D. Connect the temperature sensors into the wells. Make sure that the sensor cables do not run parallel to high voltage / ampere carrying power lines or are not next to large motors, switching relays or neon lights -- minimum distance of 3 feet.

The temperature sensor with the blue tape connects to the well with the lower temperature. The sensor with the red tape goes into the well on the hot side. Seal sensor to the well.



WIRING DIAGRAM FOR MICROPROCESSOR-BASED