

Overview

The BA/FPB-x Flexible Probe Bracket is used to mount averaging sensors, low limit thermostats, or liquid fill thermostats in duct applications for probe diameters from 1/8", 1/4" and 3/8". The application is used to reverse the direction of the flexible probe with a smooth arc to eliminate the risk of kinking the sensor and destroying the probe. A fixed 1/4" probe may also be mounted as part of the bracket design. The BA/FPB is made out of tough UL94V Nylon and limits heat/cold conduction to the probe and has multiple mounting holes to make mounting easy.

Product Identification

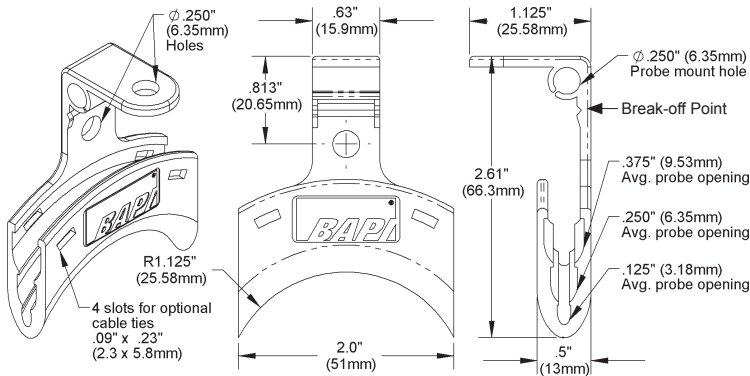


Fig. 1: Isometric, Front and Rear views

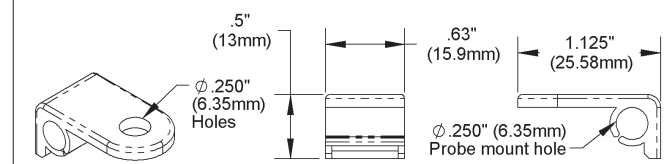


Fig. 2: 1/4" Probe Clip (Already broken off)

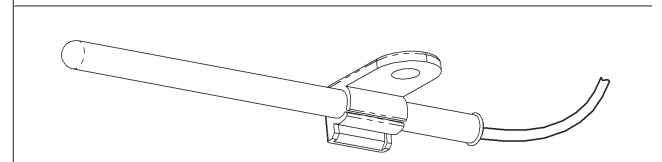


Fig. 3: 1/4" Probe Clip Mount w/Probe Installed

Installation

Installation of the sensor is typically horizontal across the duct with at least two passes at different levels across the duct. Install the sensor high on the duct wall. Install the BA/FPB at the opposite side of the duct about one-third down the duct and another below the duct sensor hole mounted about 2/3rds down using the mounting holes provided. Set the probe into the bracket rail and tie rap the sensor in place using the slots on top of the arched rail. Finish the probe installation into each bracket on the opposite side of the duct for multiple pass applications.

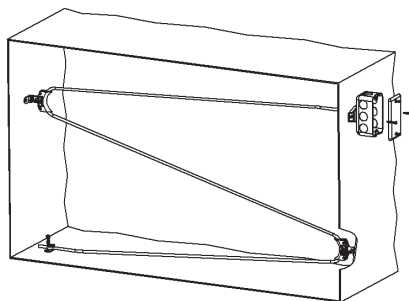


Fig. 4: Horizontal Averaging Mount; RTD's, Thermistors, Capillary & Freeze-Stats

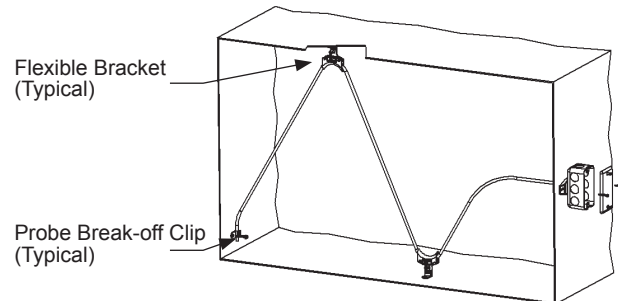


Fig. 5: Vertical Averaging Mount; RTD's & Thermistors

Specifications

Material	Nylon
Rating	UL94V-2 (plenum rated), RoHS Compliant
Mounting	Two 1/4" holes, top, side and 90° corner application.
Probe size	1/8", 1/4", and 3/8" flexible probes 1/4" rigid probe holder, w/break off score
Probe lock	Two tie rap slots 1/2" x 1/8"
Probe holder	Hold in ribs for each size sensor
Bracket arc	1.125" radius
Ambient	-22 to 167°F, (-30 to 75°C)

Specifications subject to change without notice.