

Product Description

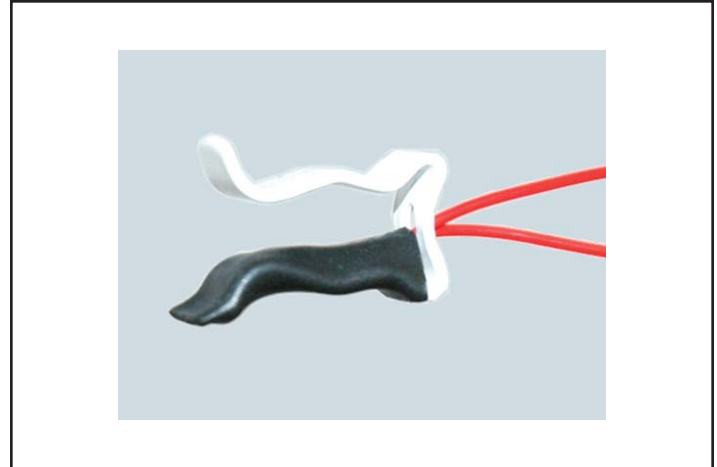
The L02-01-0123 is resistance thermal ribbon type temperature sensor using a 1K Ohm platinum sensor. This thermal ribbon type sensor provides a predictable output over a specified temperature range to meet the manufacturer's required input value. The L02-01-0123 can be used on many different applications. The clip is insulated with a polyimide film and elastomer cover coat.

The clip is manufactured specifically for .275 to .375 diameter pipe.

Features and Application Highlights

Common applications for this sensor are:

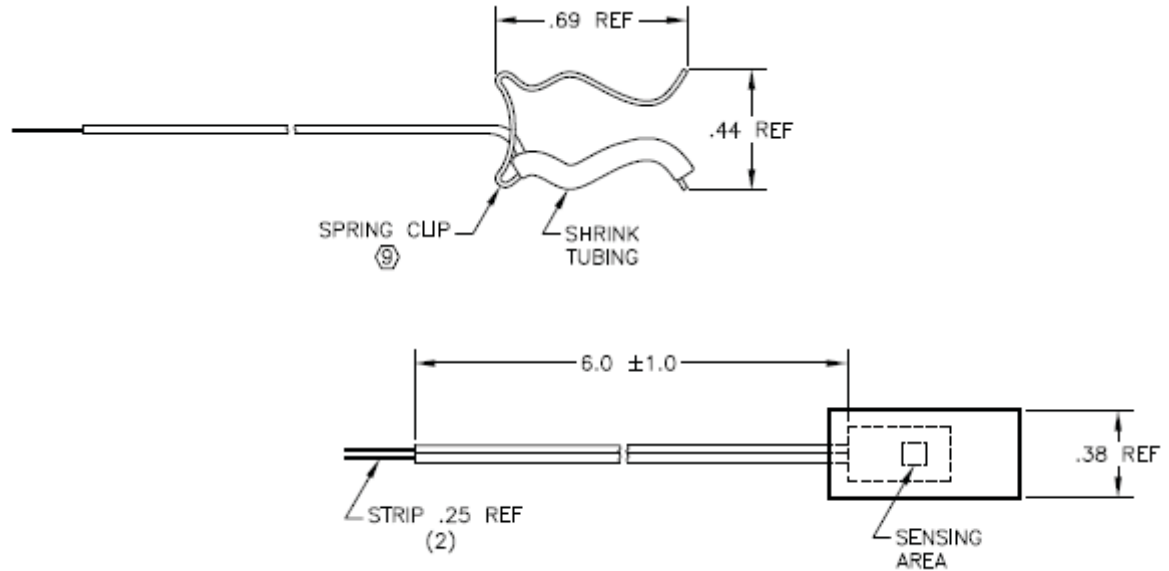
- Evaporator coil temperature.
- Condenser coil temperature.
- Hot gas discharge temperature.
- Most applications that require strap-on type temperature sensing.



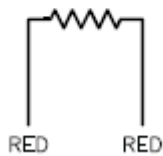
Technical Data

| | |
|---|--|
| Operating Temperature Range | • -58 to 311oF (-50 to 155oC) |
| Resistance | • 1000.00 Ohms \pm .12% at 32oF (0oC) |
| Resistance-Temperature Coefficient | • .00385 Ohm/Ohm/ oC Nominal from 0oC to 100oC |
| Output | • 1K Ohms @ 32oF(0oC) Type 85 |
| Stability | • STABILITY: DRIFT LESS THAN 0.1°C PER YEAR IN NORMAL USE |
| Insulation Material | • Polyimide film with elastomer cover coating |
| Element | • Platinum, on aluminum oxide substrate with fused glass cover |
| Wire Leads | • Color Red/Red; AWG #26 stranded, TFE insulated |
| Adjustable Spring Clip | • Nylon coated steel, .275 to .375 inch holding range. |

Device Detail



SCHEMATIC DIAGRAM



Unless otherwise specified, dimensions and tolerances are in inches. Dimensions in () are in millimeters.

Mounting

Simply snap the spring clip around the pipe for surface mounting. Additional thermal tape may be applied if required. Wire both red leads to the JENEsys™ controller and terminate at the appropriate location. This sensor is to be wired to a universal input on a JM34 and/or JM16 I/O module.

Ordering Information

| Model # | Description |
|-------------|---|
| L02-01-0123 | Pipe surface mount clip-on temperature sensor |