THERMOMETRICS
A COMMITMENT TO EXCELLENCE

NTC Type JI

Thermometrics Double Insulated Chip Thermistor with Insulated Wires



Features

- Waterproof to IP68
- Withstands freeze/thaw cycling
- Available using any device in the Thermometrics standard NK and DC95 ranges
- Range of wire lengths 11.81 in to 196.85 in (300 mm to 5000 mm) (dimension WL on page 2)
- Suitable for refrigeration applications, including evaporators

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Type JI Specifications

Description

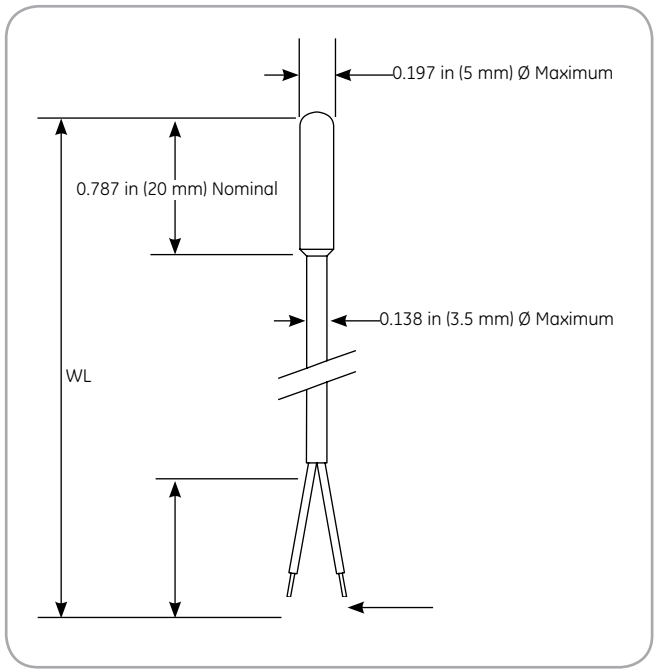
Chip thermistor housed in a tip, which is molded onto flexible circular cable. Tip and outer cable insulation material is thermoplastic elastomer. Tinned copper conductors have individual polyolefin insulation.

Options

- Other resistance – temperature characteristics
- Other wire lengths

Data

- Temperature range: -40°F to 221°F (-40°C to 105°C)
- Insulation resistance: >100 MΩ at 500 VDC
- Wire conductors: 7 X 0.23 mm diameter (0.30 mm^2)
- Resistance - temperature characteristics:
  Refer to NK and DC95 data sheets



NTC Type JI dimensions

Ordering Information

The code number to be ordered may be specified as follows:

Code	Type		
JI	Double Insulated With Insulated Wires		
	Code	**Type**	
	103C1R2	NK103C1R2	See NK or DC95 Data sheets
	F103W	DC95F103W	
		Code	**Wire Length WL in mm**
		L301	300 ± 10
		L501	500 ± 10
		L751	750 ± 20
		L102	1000 ± 20
		L152	1500 ± 25
		L202	2000 ± 25
		L252	2500 ± 50
		L302	3000 ± 50
		L352	3500 ± 50
		L402	4000 ± 50
		L452	4500 ± 50
		L502	5000 ± 50
JI	- ____	- ____	**Typical model number**

Resistance characteristic and wire length are specified by the product code: e.g. JI103C1R2 or JIF103W

Other wire lengths are available for quantities > 5000 pieces as above with a wire tolerance at > 3.28 ft (1 m) of +100 /- 0 mm (+3.9 in /- 0 in)

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