

Applications



The PT100 is a precision platinum wire resistor that is specified occasionally as a temperature input for process control equipment. A jacketed control lead must be run from the PT100 lead to the above-ground equipment. The above-ground equipment is not available from Franklin Electric and is typically part of a custom panel or data acquisition system.

PT100 sensor retrofit kits from Franklin Electric come with complete instructions and allow for easy field installation.

The PT100 is not approved as motor overload protection. Motor warranty will be void if agency approved motor overload protection is not installed as required by Franklin Electric's Application Installation Maintenance (AIM) Manual.

KIT NUMBER	FRANLIN PART NUMBER	FOR USE WITH MOTOR TYPES	INSULATION	LEAD INFORMATION		LENGTH	
				TEMPERATURE RATING	WIRE SIZE	FEET	METERS
305 327 901	165 608 901	6" (1/2 - 20 Threads)*	PVC	60° C	AWG 20	29	8
305 327 903	165 608 903	6" (1/2 - 13 Threads)*	PVC	60° C	AWG 20	29	8
305 326 902	165 624 902	8" (40 to 100 Hp)	PVC	60° C	AWG 20	29	8
305 326 901	165 624 901	8" (125 to 200 Hp)	PVC	60° C	AWG 20	29	8

Notes:

*6-inch motor PT100 selection:

Oct. 2001 and earlier date coded motors use the 1/2-20 thread PT100.

Nov. 2001 date coded motors have thread type verified for correct selection.

Dec. 2001 and later date coded motors use the 1/2-13 thread PT100.