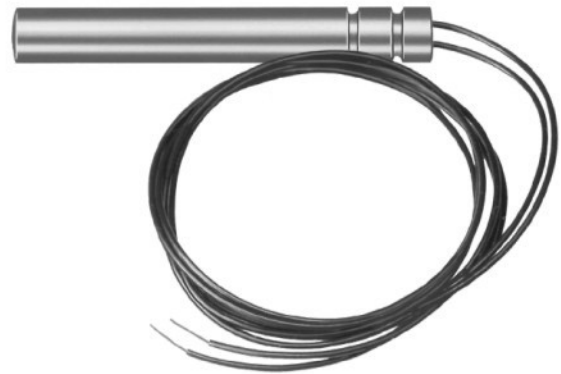


193987GA Encapsulated Temperature Sensor

The 193987GA Encapsulated Temperature Sensor is used with the T7075 or T775 family of solid state remote temperature controllers.



- No settings or calibration required.
- Platinum positive temperature coefficient (PTC) sensing element.
- High accuracy temperature sensing $\pm 1^{\circ}\text{F}$ [0.6°C] over a wide range of temperatures (-40°F [-40°C] to $+257^{\circ}\text{F}$ [125°C]).
- Can be located up to 1000 ft [304m] from the controller.
- Provides temperature sensing capability suitable for mounting in an immersion well.
- Can be strap-mounted to a pipe.

CONTENTS

Specifications	2
Ordering Information	2
Installation	3
Operation and Checkout	5

Specifications

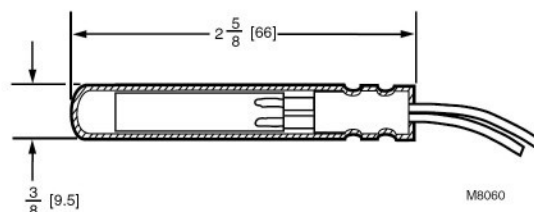
IMPORTANT: *The specifications given in this publication do not include normal manufacturing tolerances. Therefore, an individual unit may not exactly match the listed specifications. Also, this product is tested and calibrated under closely controlled conditions and some minor differences in performance can be expected if those conditions are changed.*

MODEL: 193987GA Encapsulated Temperature Sensor.
ELECTRICAL RATING: 30 Vac maximum.
AMBIENT TEMPERATURE RANGE: Operating and Shipping: -40° F to +257° F [-40° C to +125° C].
SENSING ACCURACY: $\pm 1^\circ$ F [0.5° C].
HUMIDITY: 90% relative humidity (RH) at 90° F [32° C] noncondensing environment.
TEMPERATURE SENSOR RESISTANCE:

Temperature [°C]	-10°	0°	+10°	+20°	+30°	+40°
Temperature (°F)	14°	32°	50°	68°	86°	104°
Resistance in ohms	3,178	3,266	3,353	3,440	3,527	3,713

DIMENSIONS: See Fig. 1.

Fig. 1—Approximate dimensions of 193987GA Encapsulated Temperature Sensor in in. [mm].



LEAD LENGTH: 1000 ft [304m] maximum.
MOUNTING: 3 in. [76 mm] copper insertion bulb, 3/8 in. [9.5 mm] diameter; immersion wells available separately.
OPTIONAL ACCESSORIES:
T7047C1090 Sensor Case.
105900 Pipe Strap: Fits up to 3/4 in. outside diameter pipe.
121371A Immersion Well: 1/2 in. NPT copper.
121371E Immersion Well: 1/2 in. NPT stainless steel.
107408 Heat Conductive Compound: 4 ounce can.

Ordering Information

When purchasing replacement and modernization products from your wholesaler or distributor, refer to the price sheets for complete ordering number, or specify—

1. Order number.
2. Accessories, if desired.
3. Order additional system components and system accessories separately.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Home and Building Control Sales Office (please check the white pages of your phone directory).
2. Home and Building Control Customer Satisfaction
Honeywell, Inc., 1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386 (612) 951-1000

In Canada—Honeywell Limited/Honeywell Limitee, 740 Ellesmere Road, Scarborough, Ontario M1P2V9. International Sales and Service Offices in all principal cities of the world. Manufacturing in Australia, Canada, Finland, France, Germany, Japan, Mexico, Netherlands, Spain, Taiwan, United Kingdom, U.S.A.