



"AT" BOILER WATER TEMPERATURE SENSOR REPLACEMENT KIT INSTRUCTIONS

⚠ WARNING

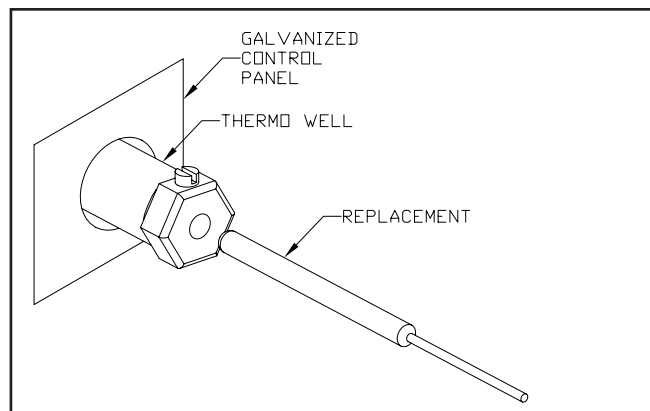
Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this instruction and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation verified per Installation, Operation & Maintenance Manual provided with boiler.

ITEM NUMBER	DESCRIPTION
240009760	Sensor, 10K, NTC

⚠ WARNING

Electrical shock hazard. Turn OFF electrical power supply to boiler at service panel.

1. Turn off all power to boiler.
2. Verify power to boiler is disconnected by using voltmeter.
3. Loosen four (4) boiler jacket screws and remove jacket.
4. Loosen WT terminals on boiler circuit board.
5. Loosen well screw and remove old sensor.
6. Install new sensor into well, making sure end is fully inserted in the well. Tighten the screw to secure sensor to well.
7. Reconnect sensor leads to WT terminals on boiler circuit board.
8. Replace boiler jacket and turn power on to boiler.
9. Verify proper boiler operation. For additional information see Installation, Operation and Maintenance manual.



Resistance Vs. Temperature Table

Temp (°C)	Temp (°F)	Ω
0	32.0	32,650
5	41.0	25,392
10	50.0	19,901
15	59.0	15,712
20	68.0	12,493
25	77.0	10,000
30	86.0	8,057
35	95.0	6,531
40	104.0	5,326
45	113.0	4,368
50	122.0	3,602
55	131.0	2,986
60	140.0	2,488
65	149.0	2,083
70	158.0	1,752
75	167.0	1,480
80	176.0	1,255
85	185.0	1,070
90	194.0	916
95	203.0	787
100	212.0	679



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