

**CONDENSER WATER TEMPERATURE
 SENSOR KIT
 PART NO. 375-01738-000**

KIT CONSISTS OF THE FOLLOWING PARTS:

ITEM	DESCRIPTION	QUAN.	PART NO.
1	Well, Bulb	2	366-60109
2	Sensor, Temp.	2	025-28935
3	Wire, 2-Conductor	1	375-01739
4	Clamp, Tube 1/2 O.D.	2	021-15483
5	Clamp, Tube 1/4 O.D.	2	021-13066
6	Screw, Mach. Rd Hd Rec'd. #8 x 3/4	2	021-03743
7	Lockwasher #8	2	021-05286
8	Nut, Hex #8-32	2	021-08661
9	Bag, Cloth	1	030-08277
10	Carton, Corr. 8" x 3" x 8"	1	030-15318
11	Strap, Cable	8	025-11098
12	Instruction	1	035-08680
13	Sealer, Compound	1 Ft.	010-01217
14	Compound, Heat Conductive	2	013-01850
15	Hsg., Connr. (2-Pin)	2	025-28951

INTRODUCTION

This kit is optional. Its purpose is to provide temperature resistance sensors for the condenser water inlet (entering) and condenser water outlet (leaving) to enable condenser water temperature to be displayed on the MicroComputer Control Center. These sensors must be installed in field provided connections to the Codepak condenser nozzle connections.

INSTALLATION (Refer to Fig. 1, page 2)

- In each field furnished connection (condenser inlet and outlet) drill a hole to fit a 1/2 NPTI weld coupling (field furnished). After holes are drilled, make sure the connection pipe is free from metal particles and dirt.
- Weld the 1/2 NPTI coupling to suit standard welding procedures in each hole. (See Fig. 1, page 2)
- Pack sensor wells with conductive compound (Item 14) before assembling sensor into well.
- Apply sealer to the well sensor screw threads (Item 2) and screw into the weld coupling. Make sure the threads are tight and the sensor bulb bottoms in the well.
- Assemble parts and wires in accordance with Fig. 1 on page 2.
- Support wires to existing wires on unit with cable straps. Coil any excess wire in concealment.
DO NOT CUT TO LENGTH AND TERMINATE.
- Connect plug from cable assembly (375-01739) into J22 on Micro Board. Connect terminal of drain wires to panel with screws provided.
- Wires from J22 are to be routed through hole "A" with other wires.
- Wrap sealer compound (Item 13) around cable and wires before wrapping entire plug and housing. Entire assembly to be moisture proof.

CABLE 13 LOCATION FOR CENTRIFUGAL CHILLERS ONLY

CABLE 13 LOCATION FOR SCREW CHILLERS ONLY

CONTROL PANEL

SEE NOTE 6

SEE NOTE 7

SEE NOTE 8

HOUSING 025-28951

RED

BLACK

TYP. CONNECTOR TERMINATION

WELL, SENSOR 366-60109B

1/2 NPTI COUPLING

WELD

STRAP, CABLE 025-11098

8" LOOP

SCREW, MACH. ROUND REC'D. HD #8-32 X 3/4 LG. 021-03743
 LOCKWASHER #8 021-05286
 NUT, HEX #8-32 021-08661

CLAMP, TUBE 1/2 O.D. 021-15483

025-28935 TEMPERATURE SENSOR (SEE NOTE 3)

REFER TO WIRING DIAGRAMS

- *FORM 160.48-PA6.1
- *FORM 160.48-PA7.1
- *FORM 160.48-PA13.1
- **FORM 160.47-PA6
- **FORM 160.47-PA7

FIELD PROVIDED CONNECTION

CONDENSER WATER BOX

*Centrifugal Chiller
 **Rotary Screw Chiller

FIG. 1 — ASSEMBLY AND WIRING OF CONDENSER SENSORS



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