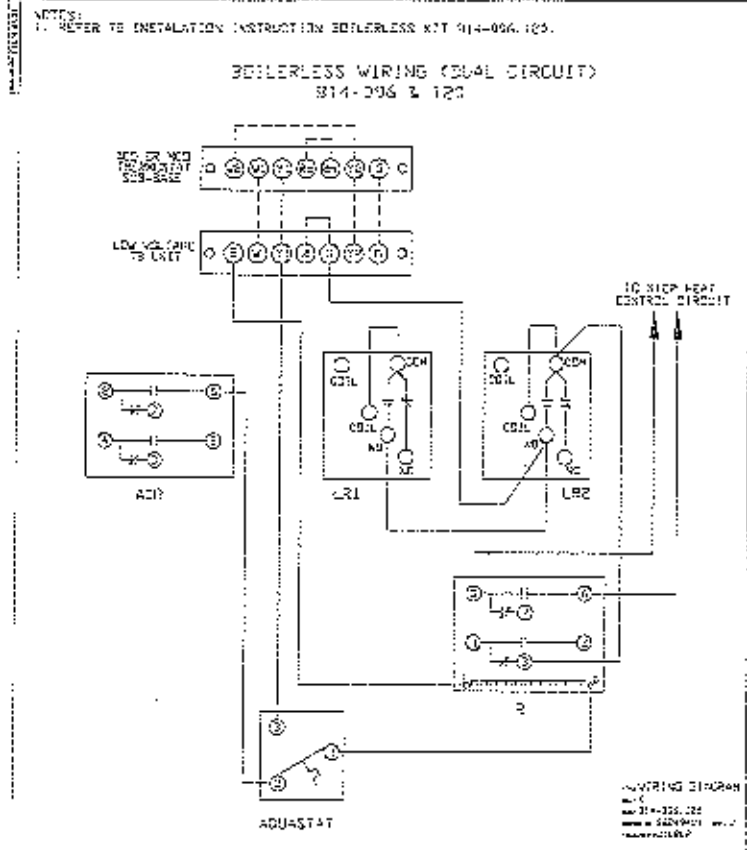


INSTALLATION INSTRUCTIONS
BOILERLESS KIT (ACCESSORY P/N ABO-01)
814-096 & 120

The boilerless conversion kit includes following items:

'LOR1' Lockout Relay - CLM P/N 68537931
'LOR2' Lockout Relay - CLM P/N 68537931
'R' Relay & 'ACO' Relay- CLM P/N 68537936
'Astat' Aquastat - Ranco No.A22-1179-200 CLM P/N 24319603

- 1) Remove yellow wire connecting terminal Y1 to terminal no. 6 on the ACO relay.
- 2) Transfer wires connected at Lockout Relay (LOR1) terminal COIL, COM and NC to the new Lockout Relay terminal nos. COIL, COM and NC respectively.
- 3) Remove the Lockout Relay (LOR2) from the unit and install new Lockout Relay as wired in step 2 in its place.
- 4) Install 'R' Relay in the control box.
- 5) Disconnect yellow wire connected at terminal COM at the Lockout Relay (LOR2) and reconnect it to terminal no. 4 on the 'R' Relay.
- 6) Transfer wires connected at Lockout Relay (LOR2) terminal COIL AND NC to the new Lockout Relay terminal COIL AND NC respectively.
- 7) Remove Lockout Relay from the unit and install the new Lockout Relay as wired in step 6 in its place.
- 8) Install Aquastat (Astat) on the outside surface of the Water In/Out panel close to the supply water piping. Wrap the capillary tube from the Aquastat around the supply water piping (Note: For proper functioning of the Aquastat, the section of the piping where the capillary tube is to be wrapped must be copper tubing.
- 9) Complete the remaining wiring as shown in the attached diagram. (Note: The diagram shows only the wires that are to be added.)



| | | | | |
|-----|-----------|-------------------------|-----|-------|
| NO. | DATE | DESCRIPTION | BY | CHKD. |
| 1 | 21-1-2001 | ISSUED FOR CONSTRUCTION | ... | ... |
| 2 | ... | ... | ... | ... |
| 3 | ... | ... | ... | ... |
| 4 | ... | ... | ... | ... |
| 5 | ... | ... | ... | ... |

Assembly ABO-01 Low Level Cd 0 Batch Size 1
 M EA KIT BOILERLESS OPER 2 CIRCUIT Rev Date 2/28/96 Rev Level 0
 Drawing Number 6/26/86 Synonym Code

| Ac Component | Description | U/M | Qty | Req'd | Typ |
|--------------|--------------------------------|-----|---------|-------|-----|
| 24005402 | BAG POLYETHYLENE 8" X 12" | EA | 1.00000 | | |
| 24319603 | TSTAT RANCO A22-1179-200 | EA | 1.00000 | | |
| 68249401 | W/D DUAL CIRCUIT REV-J | EA | 1.00000 | | |
| 68249901 | INSTRUCTIONS B/LESS KIT 2 CRKT | EA | 1.00000 | | |
| 68537907 | RELAY 24V EX 84-20103-301 | EA | 2.00000 | | |
| P 68537936 | RELAY POTTER B T92P11A22-24V | EA | 2.00000 | | |
| P 69723450 | LOCKOUT RELAY PHTM 19--->31 | EA | 2.00000 | | |

Txt Typ E Asmbl/Comp

F3=Exit

F7=Fold

F9=New Inquiry