

Clark-Reliance®

World Leader in Boiler Trim Instrumentation & Controls

Section: 500
Bulletin: D3.5
Date: 5/03
Supersedes: New
Supplement: to D3.1C

Retropak Cap Assembly for EA100 Levalarms®

*Single and Dual Function Control
for Alarms, Pumps & Fuel Cut-Outs*

Installs on Boiler, Tanks, Water Columns - Pressures to 800 PSI



- **Designed to retrofit EA100D and EA100S Models**
- **Eliminates the float mechanism**
- **Installs without disturbing any boiler piping**
- **Higher reliability with conductivity probes**
- **Less maintenance**



Model EA100DRPT Fits EA100 and EA100D

Model EA100SRPV Fits EA100S and EA100SW

Retrofit Kit Includes:

- **New flange cover with probe:**
(T probe for EA100 and EA100D Models)
(V probe for EA100S models)
 - **Probe housing kit with 1/2" conduit connection**
 - **Replacement flange gasket**
 - **One 30 ft. length of 18 gage Teflon® insulated wire are supplied for the installation up to 15 ft. between probe and relay.**
- Note: relay control sold separately**



A relay control unit must be specified to operate the probe assembly. Consult Bulletins D3.2C and D3.3C for additional information on all Clark-Reliance LEVALARM® Alarm and Controls.

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World Leader in Boiler Trim Instrumentation & Controls For

Section: 500
Bulletin: D3.6
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Instructions for Model EA100DRPT and EA100SRPV Retropak Probe Cap Assemblies

Identification:

Model EA100DRPT is designed to fit Model EA100 or Model EA100D Levalarms, which have a 4 bolt flange design.

Model EA100SRPV is designed to fit Model EA100S Levalarms, which have a 6 bolt flange design.

Installation Procedure:

This procedure must be performed with the boiler down to prevent any false alarms or wiring hazard. Verify the power at the existing switch is off, before installing the upgrade.

- Be certain there is no internal pressure on the Levalarm assembly.
- Remove switch cover
- Remove the existing wiring from switch.
- Remove flange bolts (4 on EA100D models and 6 on EA100S models) and nuts.
- Discard flange cover assembly with float mechanism.
- Remove old flange gasket.
- Install new flange gasket (Part No. C1-3).
- Attach new flange cover.
- Install bolts and nuts. Torque in an "X" pattern in 1/3 increments up to 70 Ft-Lbs.
- Mount relay control unit at convenient location.
- Attach high temperature wires (furnished) from probe and cap assembly (common wire) and wire to relay socket terminals (See actual relay for wiring schematic diagram label).
- Attach original switch wires from EA100 to the new relay location on the desired switch contact terminals.
- The relay will require a 120 VAC or 230 VAC power source depending upon the Part Number (Use Relay Part No. ECID-23R for 120 VAC or Part No. ECID-56R for 230 VAC).
- Recheck all wiring before returning to service.
- Installation is complete.

Note: The relay can be installed in user supplied enclosure with a surface mount relay socket (Part No. ECID-49) or the relay can be ordered already mounted in an Indoor or Outdoor enclosure. Refer to bulletin D3.2C and D3.3C for additional information on relay control options.

Consult C-R or your local Representative with any additional questions.



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