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TECHNOLOGIES
CARRIER**

Commercial Division
Carrier Corporation

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DATE: 9/26/69
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SERVICE BULLETIN

SUBJECT: ALLEN-BRADLEY DUAL-PRESSURE ACTUATED CONTROL

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PURPOSE

To transmit information concerning the Allen-Bradley dual-pressure actuated control, Carrier Part No. HK04HNO52. This control replaces the Cutler-Hammer switch, Carrier Part No. HK04DNO52.

MACHINES AFFECTED

All 17MPS R-11 machines using the Allen-Bradley control.

BACKGROUND

On older machines, the oil pressure may be measured by a single static pressure rather than a differential pressure. The Allen-Bradley control contains two separate switches: one for low oil pressure cut-out and one for high condenser pressure cut-out. Also, there are two flare fittings on the control for low and high pressure connections.

The control was originally selected for reciprocating machinery which may have pulsating output pressures. Inside the control tubing connections there are internal threads that contain restrictors. These restrictors serve no purpose in centrifugal applications and MUST BE REMOVED. Otherwise, there will be a long time-delay before the switch is activated.

PROCEDURE

Before connecting the switch into the system, remove the restricting screws shown in Figure 1 using a small "instrument adjusting" screwdriver.



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ALLEN-BRADLEY DUAL-PRESSURE ACTUATED CONTROL

Manufacturer: Allen-Bradley Company

Mfgr.'s Part No.: BUL. 836-L22-JKC (low side)
836-L23-JKK (high side)

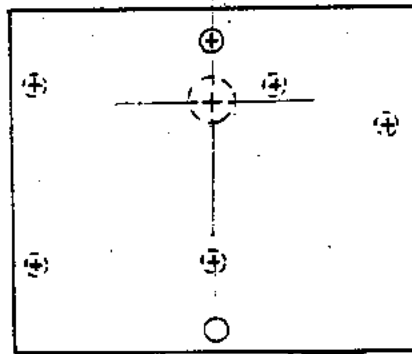
Pressure Range: LP, 20" Vac to 75 psi
HP, 20" Vac to 50 psi

Pressure Settings: LP, Closes at 12 psi, Opens at 9 psi
HP, Closes at 7 psi, Opens at 15 psi

Differential Range: 2.5 to 50 psi

Type Switch: Single-Pole, Single-Throw, Snap Action (2)

NOTE: The high pressure switch is to have a positive stop for a maximum pressure setting of 27 psi.



Restrictor is screwed into the flare connection which has an internal thread.

Remove restrictors from inside these connections, if found.

