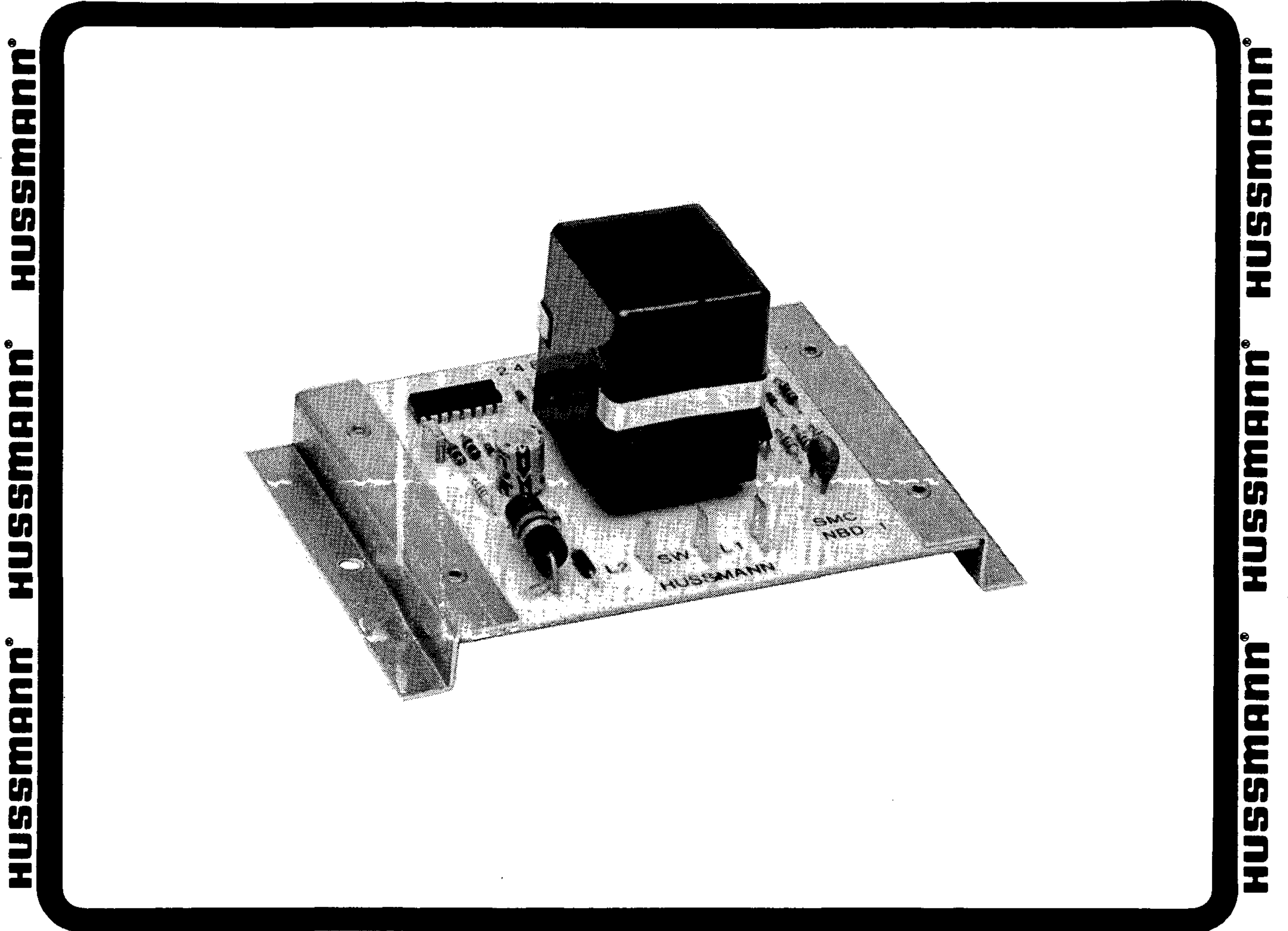


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NBD-01 COMPRESSOR CONTROL

INSTALLATION / SERVICE INSTRUCTIONS

ENG. NO. 323099
August 15, 1986
SUPERCEDES #319019
DATED August, 1984

SERVICE INSTRUCTIONS**NBD-01 COMPRESSOR CONTROL**

FUNCTION: The NBD-01 is designed to provide a user selectable delay in low pressure cut-out to effectively eliminate short cycling, smoothing out compressor run time at start-up.

OPERATION: The NBD-01 is powered by a 208/230 V, 1Ø, 60 Hz supply between points L1 and L2 (see Figure 1. Wiring Diagram). L1 and SW are connected in parallel across the micro-set low pressure control. When the thermostat or other control device calls for refrigeration, power is applied from L1 which causes the normally open NBD-01 switch to short L1 to SW effectively bypassing the micro-set low pressure control. At the end of the user selectable 2, 4, or 8 minute delay, the switch returns to its normally open position, opening L1-SW, and the micro-set is placed back into the control circuit to perform its normal function as the low pressure temperature cycling control. To prevent an unusually low pressure condition (caused by a leak for instance) the low pressure side of Dual Pressure Safety Control is provided to interrupt power to the compressor contactor. It should be field set to cut out at 2 psig. and cut in at 10 psig.

START-UP: The selectable delay is factory set at two minutes. To change the delay to four minutes, cut out the diode marked "2" (see Figure 2. Diode Location). To change the delay to eight minutes, cut out the diodes marked "2" and "4".

SPECIFICATIONS: Power-208/230V, Single phase, 60 Hz
Contacts-125 VA at 250V, Single phase, 60 Hz

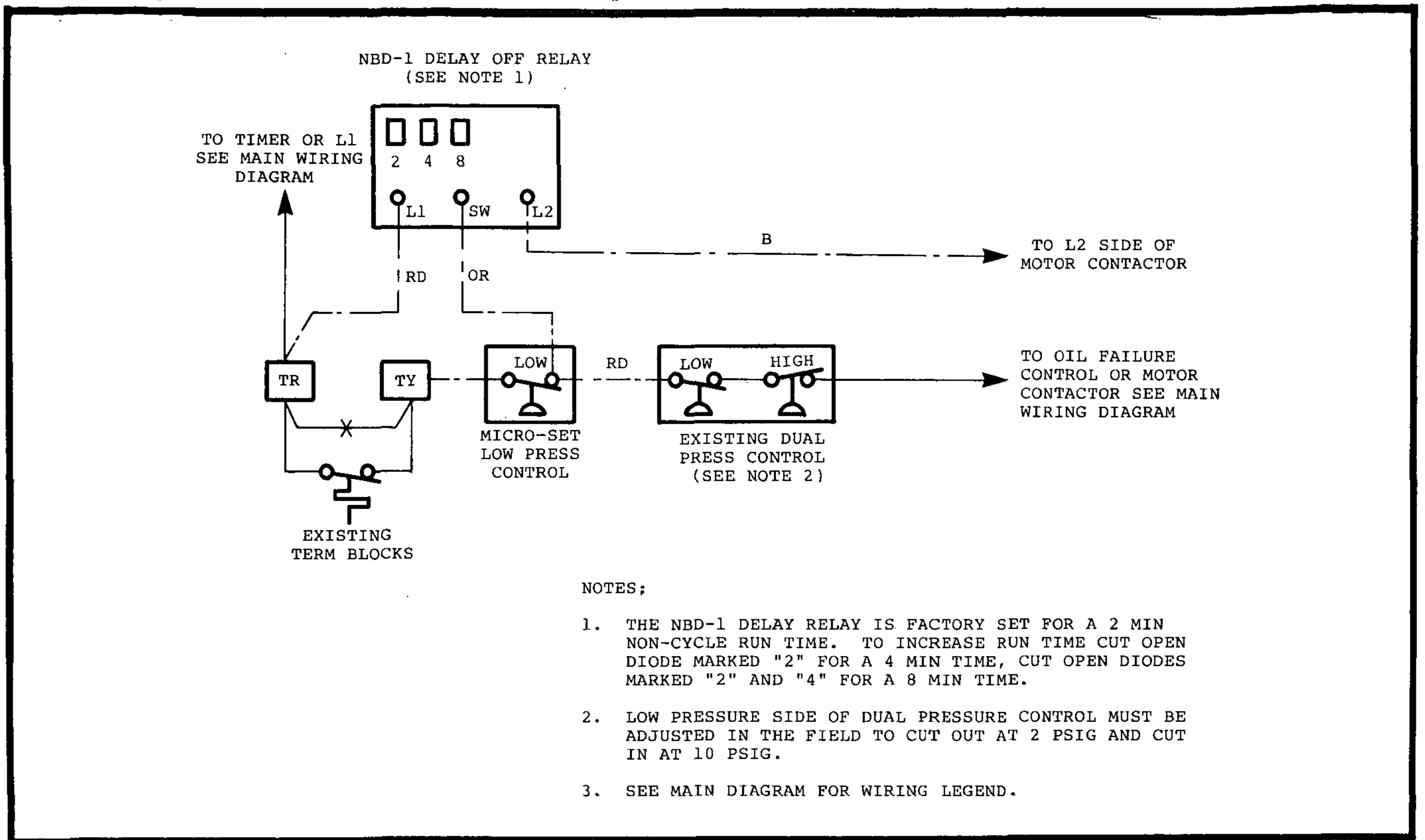


Figure 1. Wiring Diagram

