

INSTALLATION INSTRUCTIONS

TIME DELAY RELAY - DOPI
 DELAY ON PULL-IN
 Model 091-100-012

The Model 091-100-012 Time Delay Relay operates in a +12 volt electrical system. The relay contacts transfer at some time after the application of an input signal to terminal 3. The input signal may be either +12 volts or a ground as selected by the slide switch adjacent to the terminal strip. An output relay has contacts capable of switching 30 amperes. A +12 volt power and ground line are required to operate the time delay circuits. In operation the signal input to the time delay relay is applied when the first load is energized. At the delay interval later, the relay closes to operate the second load. The time delay is factory set for either 5 or 60 seconds depending on the model. An adjustment is provided to reduce this or increase it to the values shown in the table. See figure 1 for time adjustment. Figure 2 illustrates the Time Delay Relay applied to a High Idle/Hydraulic pump control.

TIME DELAY

Specification	Model A	Model B
Factory Set	5 sec	60 sec
Min Time (CW)	2.4 sec	11 sec
Max Time (CCW)	28 sec	120 sec

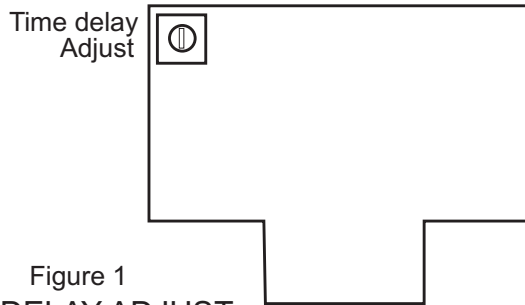


Figure 1
 TIME DELAY ADJUST

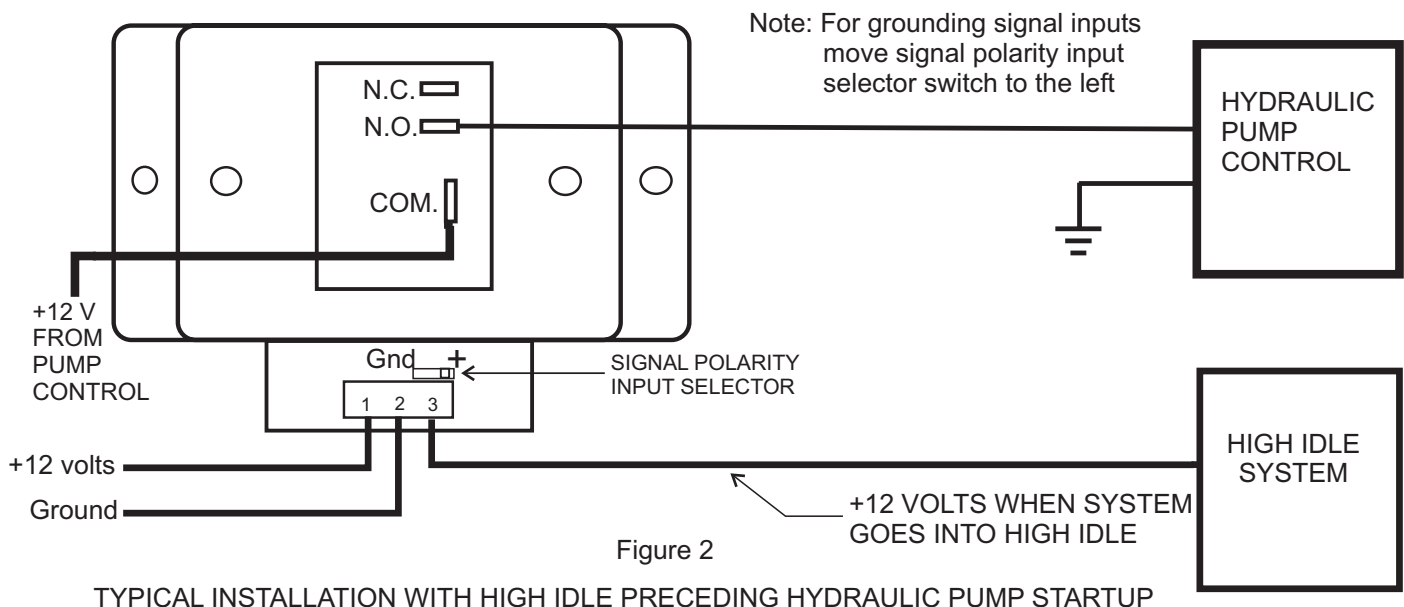


Figure 2

TYPICAL INSTALLATION WITH HIGH IDLE PRECEDING HYDRAULIC PUMP STARTUP



SINCE 1967, DESIGNERS OF INNOVATIVE PRODUCTS

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