

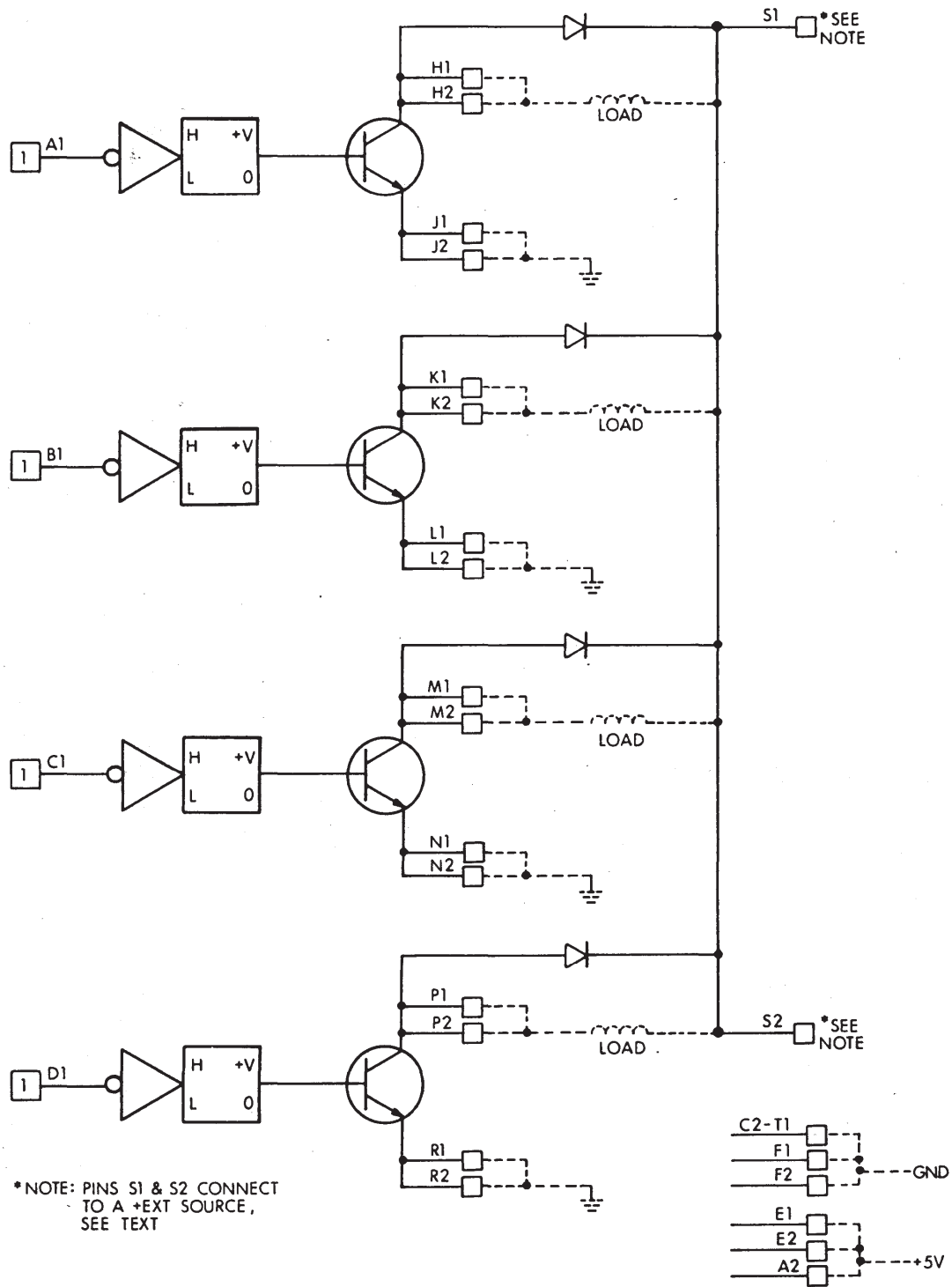
M060 SOLENOID DRIVER

LOGIC
AMPLIFIERS

M SERIES

Length: Standard
Height: Single
Width: Single

Price
\$55



Volts	Power	Pins
+5	mA (max.)	A2, E1, E2,
GND	80	C2, T1, F1, F2,
Text	See Text	S1, S2

The M060 module consists of four identical high-current driver circuits. Each circuit contains an inverting gate that controls an NPN transistor switch. A low level, at any input, will turn on the switch which is capable of driving loads up to 1.2 amps with external power supply voltages of up to +75 V dc.

APPLICATIONS

The M060 module can be used to drive relays, solenoids, and any similar inductive loads requiring current of up to 1.2 amps.

It is not recommended for lamp-driving tasks; for this application, the M050 module should be utilized.

EXTERNAL POWER SUPPLY

An external power supply must be used to power the loads. This supply may be a maximum of 75 V dc. In connecting the power supply, the positive terminal should be connected to pins S1 and S2, and the negative terminal to ground.

One side of the load device must connect to the external supply and the other side to the driver output.

FUNCTIONS

ON Condition: Each switch activates the load device when the circuit is a logic Low, 0. In this condition, the circuit supplies current which is determined by the external power supply voltage and the load impedance must not exceed 1.2 amps.

OFF Condition: When the input is high, the switch is open and a high impedance exists. In this condition, there is a small amount of leakage current flow which is typically less than 100 μ A for an external supply voltage of 75 V dc.

CONNECTIONS and PRECAUTIONS

Note that the emitter and collector on each transistor switch, and the external power supply inputs, each have two pin connections. These dual connections are required because of the high current capability of the circuit. In each case, the pins should be tied together as shown by the dotted lines on the diagram. It should also be mentioned that the emitter connections of each transistor switch must tie to ground, preferably at pin C2 of the logic block.

SPECIFICATIONS

Current Capability: 1.2 amps per circuit (max)

External Supply Voltage: 75 V dc (max)

Circuit Delay: 10 μ s (typical)—15 μ s (max)