

SIX FORM "C" RELAY MODULE (97-1800-01)

The Accu-Time PN 97-1800-01 DI/DO (Data In/Data Out) Six Form "C" Relay Module is an ETL certified, peripheral controller device, which interfaces with the Accu-Time Data Collection Terminals (DCT). The Relay Module delivers Data Out signal levels required to activate electronic door locks, solenoids or buzzers, and to receive, through the on board sensing circuitry, externally generated Data In signal levels.

The DO functionality of the Six Form "C" Relay Module utilizes an AC (Alternating Current) up to one hundred twenty (120) volt, one ampere, form "C" relay or a DC (Direct Current) up to twenty-four (24) volt, two ampere, form "C" relay. The five-position screw down connectors serve as a gateway between the Relay Module peripheral controller and the external electronic door lock mechanisms. The 20-position ribbon cable mates the Relay Module with the Accu-Time DCT.

The Accu-Time DCT, upon direction from the system host, delivers the output signal level command required to activate the electronic door locks. Each Relay has a NO (Normally Open) and NC (Normally Closed) contact option. This selection determines the output state of the electronic door lock. In the NO contact position, the Relay Module is deactivated. Generated signal levels from the Accu-Time DCT energize the relay. (Note: Customer software determines the timing and duration of relay activation). In the NC contact position, the Relay Module is fully activated. Generated signal levels from the Accu-Time DCT de-energize the relay. (Note: Customer software determines the timing and duration of relay deactivation).

The DI portion of the Relay Module is an input-sensing device. Utilizing opto-isolation circuitry, the Relay Module accepts externally generated signal levels such as make/break contacts used as monitoring devices for doors, windows etc... or as input status messages.

Installing AC relay loads require terminating the ground wire to the grounding stud located in the base assembly. ATS recommends that a qualified electrician perform relay wiring in accordance with state and local electrical regulations.

GENERAL SPECIFICATIONS

Physical-

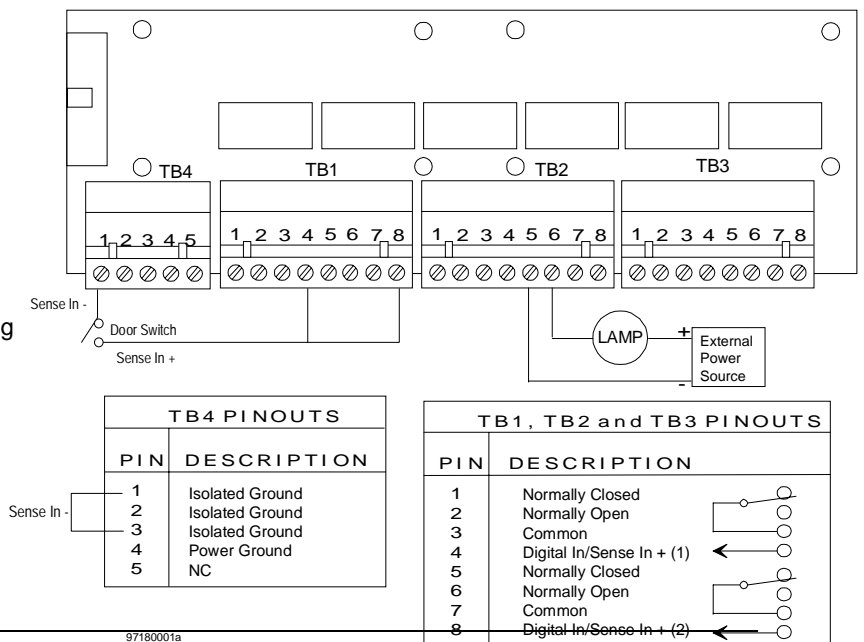
Dimensions: 6.50"L X 2.85"W X 0.70"H
(6.35cm x 7.62cm x 1.78cm)
Weight: 0.15 Lbs. (0.07kg)

Environmental-

Operating Temp: 32°-110° F (0°-45° C)
Relative Humidity: 20-90% Non-Condensing

Operating Parameters-

Power: Draws power from DCT
Power Consumption: 480 mA (energized)



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