

## RTA1000 RELAY CARD

### FEATURES

THE FEATURES OF THE RTA1000 BOARD ARE SUMMARIZED BELOW:

- \* IBM PC/XT, 286, 386, 486 OR COMPATIBILITY CENTRONICS INTERFACE.
- \* SUPPORT 8 RELAY CHANNELS.
- \* EXTERNAL RESET CONTROL.
- \* EXTERNAL POWER SUPPLY.
- \* LED DISPLAY.
- \* BUILT IN SCREW TERMINALS FOR EASY WIRING.
- \* CONTACT RATING :
  - RATED LOAD : RESISTIVE LOAD ( DC30V - 10A ),  
( AC250V - 10A ).
  - INDUCTIVE LOAD ( DC30V - 5A ),  
( AC250V - 7.5A ).
  - MAX. CARRYING CURRENT : 10A.
  - MAX. SWITCHING VOLTAGE : AC380V , DC125V.
  - MAX SWITCHING CURRENT : 14A.
  - MAX. SWITCHING CAPACITY :
    - RESISTIVE LOAD ( 300W , 2500VA ).
    - INDUCTIVE LOAD ( 150W , 1875VA ).
  - MAX. PERRNISSIBLE LOAD : DC5V , 100mA.
- \* INSOLATION RESISTANCE : 1000M OHM MIN. AT 500V DC.
- \* OPERATING TIME : 15ms APPROX.
- \* RATED COIL VOLTAGE : 12V DC.
- \* RELEASE TIME : 5ms APPROX.

### CONFIGURATION

BEFORE YOU USE THE RTA1000 RELAY BOARD, YOU MUST ENSURE THAT THE POWER SUPPLIER AND THE CONNETORS ARE SET CORRECTLY. OPERATION OF THE RTA1000 REQUIRES THE FOLLOWING:

- \* VCC I/P - VOLTAGE INPUT (+12V/500mA).
- \* RESET - RESET SWITCH FOR RELAY MODULES.
- \* LED - DISPLAY RELAY EN/DISABLE.
- \* CENTRONICS - CENTRONICS INPUT.

ALL RELAYS ENABLE OR DISABLE IS CONTROLLED BY CENTRONICS DATA INPUT, AND DISPLAY THE RELAY STATUS TO LED1 THROUGH LED8. FOR EXAMPLE, THE RTA1000 BOARD IS CONNETCED TO CENTRONICS PORT (LPT1). WHEN RELAY IS ENABLE, THE INPUT DATA BIT MUST BE 1, ELSE THE RELAY IS DISABLE (DATA BIT = 0). IF DATA BIT INPUT IS (11110000), THE RELAY "1", "2", "3" AND "4" WILL NOT ACTION, LED1 TO LED4 WILL DISABLE AND THE RELAY "5", "6", "7" AND "8" WILL ACTION (ENABLE), LED5 TO LED8 WILL DISPLAY ENABLE.

### BASIC DEMO

```
10 INPUT "RTA1000 BOARD DATA";A
20 IF A>255 THEN END
30 LPRINT CHR$(A);
40 GOTO 10
```