

# DIGITAL COMPARATOR



**SERIES 500**

The Series 500 Digital comparator is used in conjunction with instruments which have a parallel BCD output (TTL levels) for alarm and control applications. The unit makes a continuous comparison between the BCD input and the numbers set on the thumbwheel switches. There are visual indicators, logic level outputs, and heavy duty relay closures for each limit models have a "LO", "IN", and "HI" indication and the single limit models have a "LO", "HI", and coincidence indication.

## SERIES 500 SPECIFICATIONS

**Accuracy:**  
Absolute

**Inputs:**  
Parallel BCD (+8421) TTL logic levels for each digit and polarity. Input loading 2 CMOS loads on all digit bits and .2TTL loads for polarity.

### Dual limit models

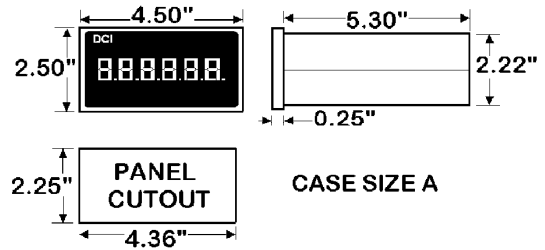
593	3 digits per limit
594	4 digits per limit

### Single limit models

563	3 digits
564	4 digits
565	5 digits

### Case size:

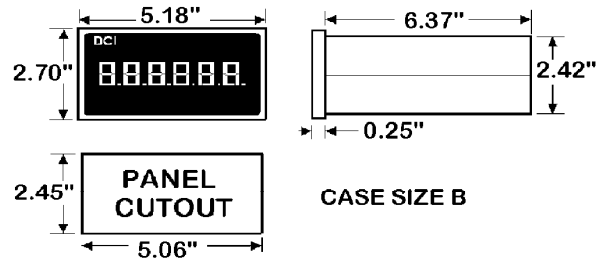
Single limit models 304, 304, & 305 = "A"



**CASE SIZE A**

### Case size:

Dual limit models 323 & 324 = "B"



**CASE SIZE B**

### OPTIONS: (All Units)

- 01 Auto reset
- 05 5VDC power
- 10 No internal relays
- 12 10-15VDC power
- 22 230VAC  $\pm$  10%, 50-400hz, input power
- 24 10-30VDC input power
- 25 Special legends and/or logo  
(Special artwork to be supplied by customer)
- 26 No logo
- 27 Screw terminal I/O connector
- 28 Blank lens
- 04 Less  $\pm$  switches