

CIRCUIT BREAKER TIMER



In today's most developing electrical world, technologies such creatively modifies and rapidly growing the development of high voltage switching devices and there we came where high voltage breakers born. In such modern period of electrical world High-Voltage Switching is not a huge complex thing such as in past two decades. The High-Voltage switches called Breakers are such designed to moderates all the risks of switching the extra high voltages. And as we are victims of such modern period, hence we had to accept that these kinds of HV circuit Breakers are being rapidly used by us.

In high voltage yard, all equipments should be such designed to overcome the harmful acts assumed by future aging effects. Also they should be periodically tested its all parameters by various testing instruments. One of the most common tests performed in HV Circuit Breaker is Timing Test. The breaker should maintain its close time as well trip time, as when fault occurs it should be actuated such fast that the fault level should have the minimized of its own harmful effects.

At the vice versa of the fast tripping time setting, at the time of closing the breaker it will produce the more number of bounces which is also not good for contact area of poles, as it creates spark due switching of high voltage and hence the surface contact resistance of poles decayed. So overall the inertia of spring for poles should be such adjusted to comfortably operate the breaker in both Trip as well Close command.

Testing Instruments had developed the Breaker Timer instrument such as to test the timing of breaker such comfortably and it saves operator's time as well reduces the efforts. The Breaker Timer by Testing Instruments is 3 Pole and could perform 3 different tests such as Close, Trip and Close-Trip. The complete microcontroller based instrument having some safety features enables the long life of instrument itself.

APPLICATION AREA

Any range of Circuit Breaker, Thermal Relay up to 9999 mSec range, etc.

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|------------------------|---|---|--|
| Model | CBT-ECO | CBT-P | CBT-CP |
| Mains | 230V, 1 Phase, AC, 50Hz | 230V, 1 Phase, AC, 50Hz | 230V, 1 Phase, AC, 50Hz |
| Number of Pole Pole | 3 Pole | 3 Pole | 3 Pole |
| Operation | Close Trip Free C-O-C | Close Trip Free C-O-C | Close Trip Free C-O-C |
| Accuracy | 0.50% | 0.50% | 0.50% |
| Resolution | 1 milli Sec | 1 milli Sec | 1 milli Sec |
| Count | 1 to 9999 milli Sec | 1 to 9999 milli Sec | 1 to 9999 milli Sec |
| Count Number of Bounce | Don't | up to 99 | up to 99 |
| Bounce Time | Don't | 1st Seven Bounce | 1st Seven Bounce |
| Display | 16X2 LCD | 16X4 LCD | 16X4 LCD |
| Printer | N/A | Thermal Printer | Thermal Printer |
| Keypad | 3 Push Button | 4X4 Matrix Keypad | 4X4 Matrix Keypad |
| Aux. Supply for Coil | N/A | 24V AC & DC 110V AC & DC 230V AC & DC | 24V AC & DC 110V AC & DC 230V AC & DC |
| Computer Interface | N/A | N/A | Available with Software |
| Enclosure | Alluminum Carrying Case | Alluminum Carrying Case | Alluminum Carrying Case |
| Accessories | 3 Mtr. Mains Power Cord 5 Mtr. For Pole 5 Mtr. For Coil | 3 Mtr. Mains Power Cord 5 Mtr. For Pole 5 Mtr. For Coil | 3 Mtr. Mains Power Cord 5 Mtr. For Pole 5 Mtr. For Coil USB Cable |

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- » Load Bank.
- » Transformer Routine Test Set.
- » Winding Resistance Test Set.
- » Contact Resistance Test Set.
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- » DC Power Supply.



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