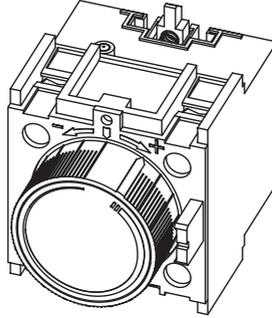


USER MANUAL

Time Delay Contact Blocks

CTE / CTD



Disconnect all power before installing, modifying or servicing equipment.
Electric shock will result in death or serious injury.

Only skilled & qualified personnel should carry out the following operations and must adhere to all appropriate national, regional and local standards applicable

Operating Instructions:

1. Depending upon application, select the type and range of time delay contact block i.e. CTE / CTD
2. Mount the block on the top of desired rating of contactor/control relay by sliding till a click sound of latch is heard to ensure the proper fixing.
3. Make the required connections.
4. Rotate the knob(button) of timer block in clockwise direction to the position which is somewhat nearer to the requirement.
5. Now switch on the circuit and set your stop watch for accurately setting the position of the timer button.
6. Rotate button in clockwise direction if timing is required to be increased and in anti-clockwise direction if required to be decreased.
7. Once the time is set to desired specification, check the repeatability which shall be $\pm 5\%$ of timing set.
8. Now the timer is ready for proper functioning.

Specification / Tolerance of Time Delay Contact Block:

Type	Reference #	Time range	Tolerance on max. position	Repeat accuracy
On Delay	CTE3	0.1-3 sec	3-6 sec	±5%
	CTE30	0.1-30 sec	28-60 sec	±5%
	CTE180	10-180 sec	180-360 sec	±5%
Off Delay	CTD3	0.1-3 sec	3-6 sec	±5%
	CTD30	0.1-30 sec	28-60 sec	±5%
	CTD180	10-180 sec	180-360 sec	±5%

Notes:

- Mechanical life : 5 million operations.
- Loss of accuracy up to 0.5 million operations : +15%
- Loss of accuracy due to ambient temperature : 0.25% per °C

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