

TCW-09-PC TORQUE CONTROLLER



Features :

- 1) Fully Solid State Design - no moving parts - no wear and tear of parts - no noise - consequently long life.
- 2) Uses one main circuit board for easy maintenance.
- 3) Accurately calibrated digital torque settings with a resolution of 1 watt makes torque settings accurate and can be easily reproduced for identical results.
- 4) Soft start has been provided for all drives. This feature reduces starting currents in the drive. As a result, life of carbon brushes and drive increases.
- 5) Connected drive is automatically recognised and indicated by means of LED on the torque controller.
- 6) Trip time adjustable from (0 sec to 10 secs.)
- 7) Adjustable reverse time from (0 sec to 90 secs.)
- 8) Drive Toque adjustable in reverse rotation with surface to set torque.
- 9) Hand (trigger) mode or foot switch mode, both are available.
- 10) Expansions can be carried out either in single cycle mode or auto repeat mode.
- 11) Automatic indication on the display for controllers tripping due to voltage or Current fault.
- 12) Electronic Over Current protections incorporated for all four drives.
- 13) Over Voltage protection at 275 volts and Under Voltage protection at 180 volts.
- 14) Supply voltage value displayed during pause time of every auto cycle.
- 15) Drive current indication given during manual reverse operation.
- 16) The No. of expansions are stored in the memory and displayed on the panel display at power ON and also whenever the panel is idle.
- 17) Trip valves are stored in memory after expansion and can be reviewed any time.
- 18) The trip values can be transferred to PC (Computer) using a single key HANDSET.
- 19) Using specially developed software, the DATA can be analyzed in statistical terms.
- 20) It also plots a histogram of No. of tubes verses percentage over-expansions.
- 21) The Minimum and Maximum supply voltage values observed in the period after last memory RESET, are also displayed.
- 22) Power consumption of control circuit reduced to 50% which leads to enhanced panel life.
- 23) Single key HANDSET makes it very easy for the operator to transfer DATA to the computer.

Micro Controller used : 89S52 (8 bit)
 Clock Frequency : 12 Mhz
 Programme Memory : 8 K (built in)
 Real Power Measurement upto : 2 KW
 Voltage, Current sampling rate : 50 times/sec.

Model No.	Voltage Single Phase 50/60 Hz	Weight (kg)
TCW-09-PC-110	110 V	7.5
TCW-09-PC-230	230 V	7.5