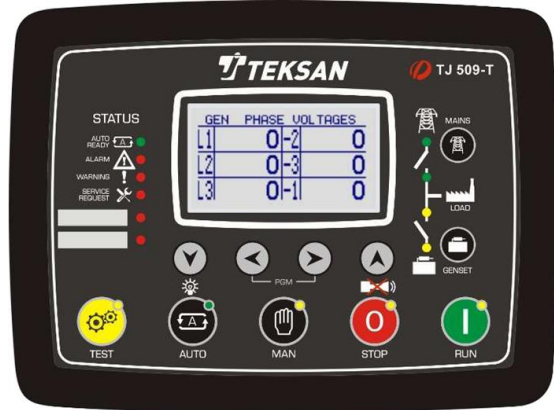


## Control Panel Features: TJ 509-T MK3

TJ-509-T MK3 is a next generation genset controller combining multi-functionality and wide communication capabilities together with a reliable and low-cost design. The same controller provides synchronization, load share, AMF, ATS, Remote Start, Engine Control and Remote Display Panel functionalities. The module comes ready for remote monitoring over GSM or Ethernet with plug-in communication modules. Various plug-in modules provide unlimited expansion capabilities allowing to meet any special requirement. The unit complies and mostly exceeds world's tightest safety, vibration and environmental standards for the industrial category. Software features are complete with easy firmware upgrade process through USB port. The Windows based PC software allows monitoring and programming through USB, RS-485, Ethernet and GPRS. The Rainbow Scada web monitoring service allows monitoring and control of an unlimited number of gensets through any web browser.



## Functions

- Multi genset synchronizer and load share\*
  - Multi genset mains synchronizer\*
  - Single genset parallel with mains\*
  - AMF unit with uninterrupted transfer
  - ATS unit with uninterrupted transfer
  - Remote start controller
  - Manual start controller
  - Engine controller
  - Remote display & control unit
  - Waveform display of V&I
  - Harmonic analysis of V&I
- \*Optional with plug-in module

## Communications

- Ethernet port (10/100Mb)\*
  - GSM-GPRS\*
  - Embedded web server\*
  - Web monitoring\*
  - Web programming\*
  - Central Monitoring through internet\*
  - SMS message sending\*
  - E-mail sending\*
  - Central monitoring\*
  - Modbus RTU through RS-485\*
  - Modbus TCP/IP\*
  - SNMP\*
  - USB Host\*
  - CANBUS-2 for inter- module comm.\*
  - USB Device
  - PC software: Rainbow Plus
  - J1939-CANBUS for electronic engines
- \*Optional with plug-in module

## Connection Topologies

- 3 phases 4 wires, star
- 3 phases 4 wires, delta
- 3 phases 3 wires, delta, 3 CTs
- 3 phases 3 wires, delta, 2 CTs (L1-L2)
- 3 phases 3 wires, delta, 2 CTs (L1-L3)
- 2 phases 3 wires, L1-L2
- 2 phases 3 wires, L1-L3
- 1 phase 2 wires

- Technical information and values are according to ISO8528, ISO3046, NEMA MG-1.22, IEC 600341, BS 4999-5000, VDE 0530 standards.
- Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.
- All information given in this leaflet is intended for general purposes only.
- Due to a policy continuous improvement Teksan reserves the right to amend details and specifications without notice and all information given is subject to the Teksan's current condition of sales.

TBA: To Be Asked TBD: To Be Determined NA: Not Available N/A: Not Applicable TTD: TTDJ8BD-120240108EN