

# D-Series

## Digital Load Bank Controller

### Description

The Simplex D-Series Digital Load Bank controller is the new standard for load bank operation and application. The D-Series is the standard controller provided by Simplex for our entire stationary load bank line. The D-Series comprises a line of PLC-based controllers equipped with touchpanel operator interfaces.

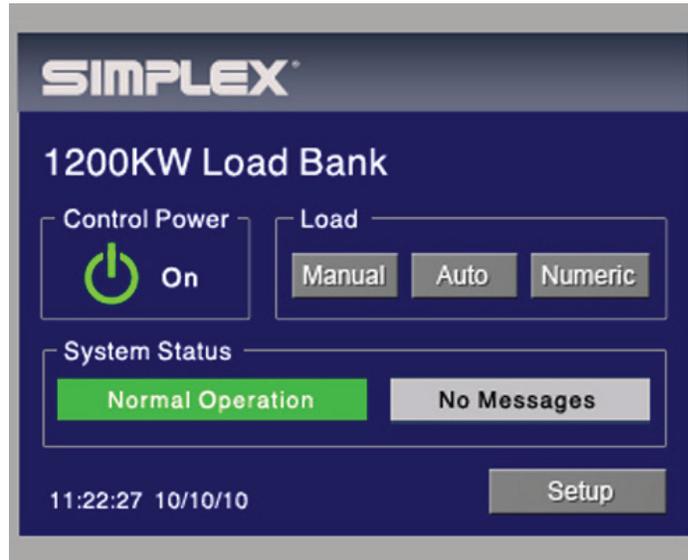
With D-Series controllers, the user enjoys a significant savings of installation cost. Versus traditional analog (toggle switch) panels, connections for remote control are reduced to a single RS-485 or Ethernet Cat-5 cable. Multiple control stations are easily networked. Valuable space is conserved. Reliability is enhanced.

With D-Series controllers, data monitoring and acquisition, load bank automation and BMS integration are made simple. The D-Series is networked via MODBUS RTU over RS-485 or Ethernet allowing simple daisy chain or Ethernet switch cable networking. MODBUS-to-BacNet (or other protocol) converters are available.

The D-Series controller can be accessed by remote PC by simple assignment of an IP address.

PC integration software is available.

The D-Series accepts Simplex "Auto-Test" software enabling full automation of load bank testing with data acquisition, report generation and pass-fail testing. Inputs from generator controller data outputs can be accepted to allow integration of full engine data.



Main Screen with Control Power On

### Features

- Standard control system for Simplex Stationary Load Banks
- PLC based
- Color TFT touchpanel operator interface featuring bright colors, excellent contrast and wide viewing angle, perfect for bright sunlight and low light conditions
- Easy upgrades for load bank automation
- Network capable
- IP address capable
- PC integration software available
- MODBUS RTU over RS-485 or Ethernet network communications



Load Application Screen



Metering Screen

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