

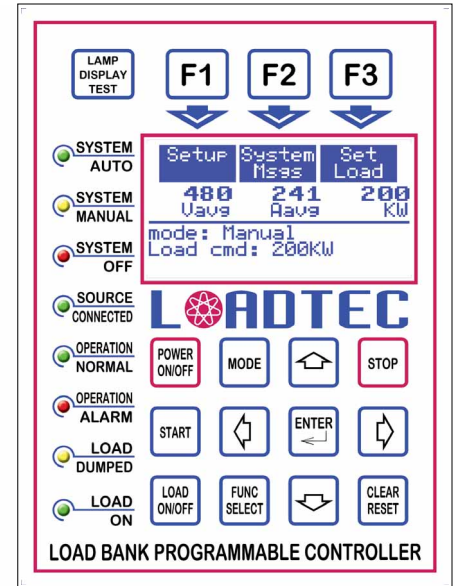
# LOADTEC

## LOAD TECHNOLOGY, INC

### POWER TESTING & DATA ACQUISITION SYSTEMS

## PROGRAMMABLE LOAD BANK CONTROLLER

## DIGITAL CONTROLLER TO MEET THE MOST DEMANDING PROJECT SPECIFICATION



### ▶ PROGRAMMABLE TO MEET THE PROJECT'S REQUIREMENTS

- ▶ **AUTOMATIC EXERCISE OPERATION:** Program exercise and test sequence
- ▶ **AUTOMATIC LOADING OPERATION:** Program a minimum source loading level
- ▶ **REGENERATIVE ABSORPTION OPERATION:** Program to absorb power from regenerative source
- ▶ **MANUAL LOADING OPERATION:** Control loading directly to manually load the source
- ▶ **METERING:** Meter the electrical values and the source loading level

### ▶ DIGITAL COMMUNICATION INTERFACES

- ▶ **INTERCONNECTIONS:** Simple CAT5 cable interface to modules
- ▶ **MULTIPLE CONTROL PANELS†:** up to (4) panels by RS422 connection
- ▶ **EXTERNAL CONTROL†:** Mod-Bus® & other control protocol communications available via auxiliary RS232 & RS485 ports
- ▶ **TCP/IP INTERFACE†:** Connect to a local area network and communicate from anywhere

### ▶ AUTOMATIC EXERCISE OPERATION:

- ▶ THE AUTOMATIC EXERCISE OPERATION PROVIDES THE CAPABILITY TO SCHEDULE AN UNATTENDED EXERCISE / LOADING OF THE SOURCE. THE FOLLOWING PARAMETERS ARE PROGRAMMABLE:
  - ▶ ENABLE / DISABLE
  - ▶ TIME OF DAY
  - ▶ DAY INTERVAL/DAY OF WEEK
  - ▶ TEST SEQUENCE: (8) stage
  - ▶ FAILURE TO COMPLETE EXERCISE ALARM
  - ▶ Under/Over VOLT & FREQ. LEVELS TO ALARM
  - ▶ Test Logging Interval

### ▶ AUTOMATIC LOADING OPERATION:

- ▶ THE AUTOMATIC LOADING OPERATION PROVIDES THE CAPABILITY TO PROGRAM A MINIMUM LOADING OF THE SOURCE. THIS REDUCES INEFFICIENT OR UNSTABLE OPERATION OF THE SOURCE. THE FOLLOWING PARAMETERS ARE PROGRAMMABLE:
  - ▶ ENABLE / DISABLE
  - ▶ SOURCE RATING
  - ▶ PERCENTAGE OF LOAD TO MAINTAIN
  - ▶ CURRENT TRANSFORMER SIZE
  - ▶ DELAY: INITIAL, LOAD, UNLOAD
  - ▶ LOADING RESOLUTION

### ▶ REGENERATIVE ABSORPTION OPERATION:

- ▶ THE REGENERATIVE ABSORPTION OPERATION PROVIDES THE CAPABILITY TO ABSORB LOAD REGENERATION FROM SOURCE SUCH AS ELEVATORS.
  - ▶ ENABLE / DISABLE
  - ▶ PERCENTAGE OF REGENERATION

### ▶ MANUAL LOADING OPERATION

- ▶ THE MANUAL OPERATION ALLOWS THE OPERATOR TO DIRECTLY APPLY DESIRED LOAD TO THE SOURCE.
  - ▶ SELECT LOAD VALUE
  - ▶ LOAD ON/OFF

### ▶ METERING:

- ▶ METERING IS PROVIDED TO MONITOR THE LOAD BANK AND SOURCE ELECTRICAL VALUES.
  - ▶ General: VM,AM,FM
  - ▶ Load Bank: KW
  - ▶ Source: KW

### ▶ GENERAL:

- ▶ LCD GRAPHIC OPERATOR DISPLAY
- ▶ LED'S FOR BASIC SYSTEM STATUS
- ▶ REAL TIME CLOCK
- ▶ **NON-VOLATILE MEMORY:** STORES SYSTEM PARAMETERS

† Designates Optional Equipment or Feature Information Subject to Change without Notice