

M-6283A Three Phase Capacitor Bank Control

Quick Start Guide



LCD SCREEN – Pressing any pushbutton will wake up the LCD and display the heading corresponding to the "Hot Button" label inside the pushbutton: WAKE, MNTR, SETP, CNFG, COMM, or UTIL.

EXIT/WAKE Pushbutton – The **WAKE** Pushbutton is used to wake the LCD from sleep mode and start scrolling through a list of user programmed metered/calculated values. While navigating through the different HMI menus the **EXIT** pushbutton is used to:

- Exit a level to the next higher level
- Cancel data entry
- Display user lines

Shortcuts/Arrows

MNTR – Access to Monitoring Screens

SETP – Access to Setpoints Screens

CAP OPER – Access to the Independent Phase Switching menu when Individual Phase Switching Mode is active

ENT/UTIL Pushbutton – Access to Utilities screens and ENTER button

While navigating through the different HMI menus the ENT pushbutton is used to:

- Enter the edit mode of a screen
- Store a setpoint or condition in memory
- Enter the sub heading data level
- Reset certain monitoring screens

CNFG – Access to Configuration Screens

COMM – Access to Communication Screens

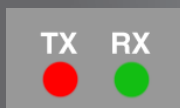
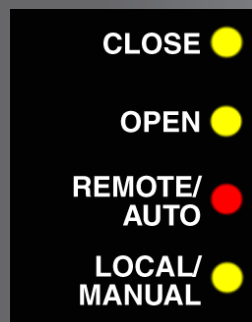
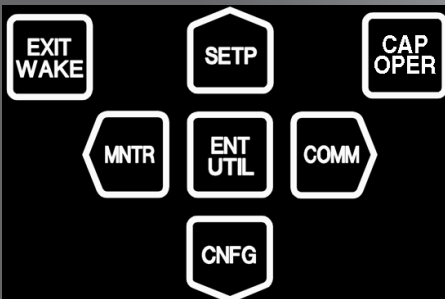
CLOSE LED – Remains illuminated when the capacitor bank switch is closed. The LED will flash when the CLOSE warning timer is active.

OPEN LED – Illuminates to indicate when the capacitor bank switch is open. The LED will flash when the OPEN warning timer is active.

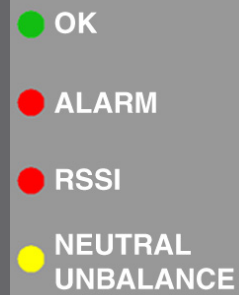
REMOTE/AUTO LED – Remains illuminated whenever the control is selected to automatic operation.

LOCAL/MANUAL LED – Illuminates when Manual mode has been selected using the front panel Remote/Auto, Local Manual Switch.

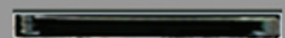
COM1 TX/RX LEDS – Illuminates when control is transmitting and/or receiving data.



Scan this QR Code for direct access to product support documents.



Smart Flash SD Card



CAUTION: Do not reverse the ground and hot wires when connecting an external source. A 3 AG fuse (F1) is installed to protect the control from damage if these connections are accidentally reversed. With the VOLTAGE SOURCE switch in the EXT position, the sensing and switch power circuits are connected to the external Power binding post on the front panel.

The unit can be tested using an external 120 V RMS source of proper polarity applied to these terminals. Testing can be accomplished by adjusting the amplitude of the external source.

OK LED – Illuminates to indicate the microcontroller is functioning properly.

ALARM LED – Illuminates when any of the Programmable ALARM Functions set the output relay to true.

RSSI LED – Illuminates to indicate communications have been established with the client. Depending on the wireless modem that is installed, RSSI may also indicate the Receive Signal Strength.

NEUTRAL UNBALANCE – Illuminates when the control detects a neutral unbalance current. This is indicative of failed capacitors or failed switch closures on the capacitor bank.

USB Port – Used for Direct CapTalk® Communications Connection

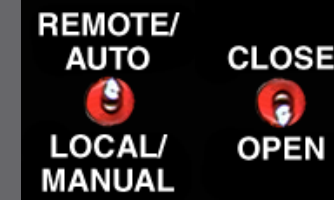
Smart Flash SD Card Slot – Allows the user to perform the following:

- Load and Save Setpoints
- Save Datalog files
- Save Sequence of Events files
- Save Oscillograph records
- Clone Save and Load
- Load and Save DNP files
- Save Metering Data
- Update Firmware
- Save Wake Screen Data
- SD Card User Access
- Quick Capture

VOLTAGE SOURCE Switch – Selects the internal (INT) voltage transformer input, or an external (EXT) voltage input and switch power source.

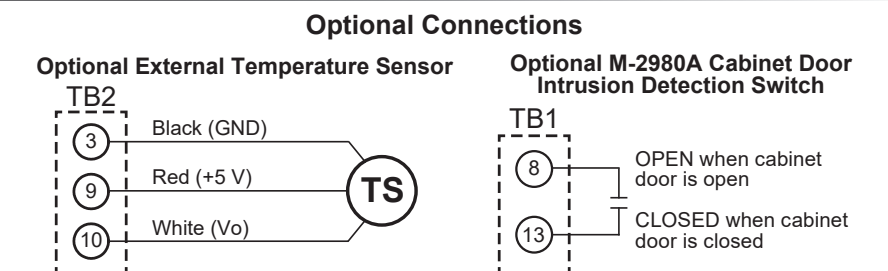
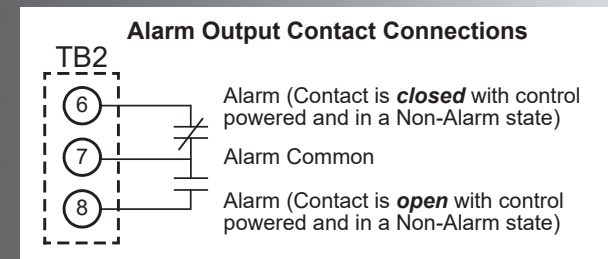
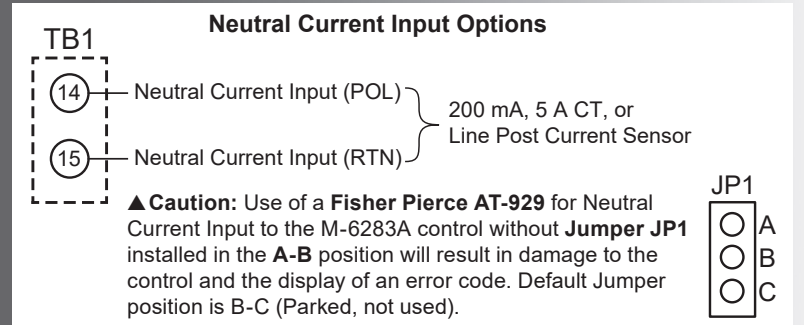
EXTERNAL POWER – Binding posts allow application of a 120 V RMS nominal voltage to the unit for test procedures.

METER OUT – Binding post allows reading of the input voltage when used in conjunction with the Bias Test Voltage screen of the M-6283A Capacitor Bank Control.



REMOTE/AUTO, LOCAL/MANUAL Switch – The REMOTE/AUTO, LOCAL/MANUAL switch selects the operation mode from the control front panel. When selected to "LOCAL/MANUAL" no automatic operation is permitted and the OPEN/CLOSE switch is functional. In "REMOTE/AUTO" mode the control considers all settings and operates the capacitor bank as required.

OPEN/CLOSE Switch – The OPEN/CLOSE switch allows Manual Local control of the capacitor bank subject to the Timed Function settings.



WARNING: Death or severe electrical shock can occur. In no case should the line current circuit be interrupted with the regulator or transformer energized. Do not remove auxiliary current transformers without shorting the current inputs.

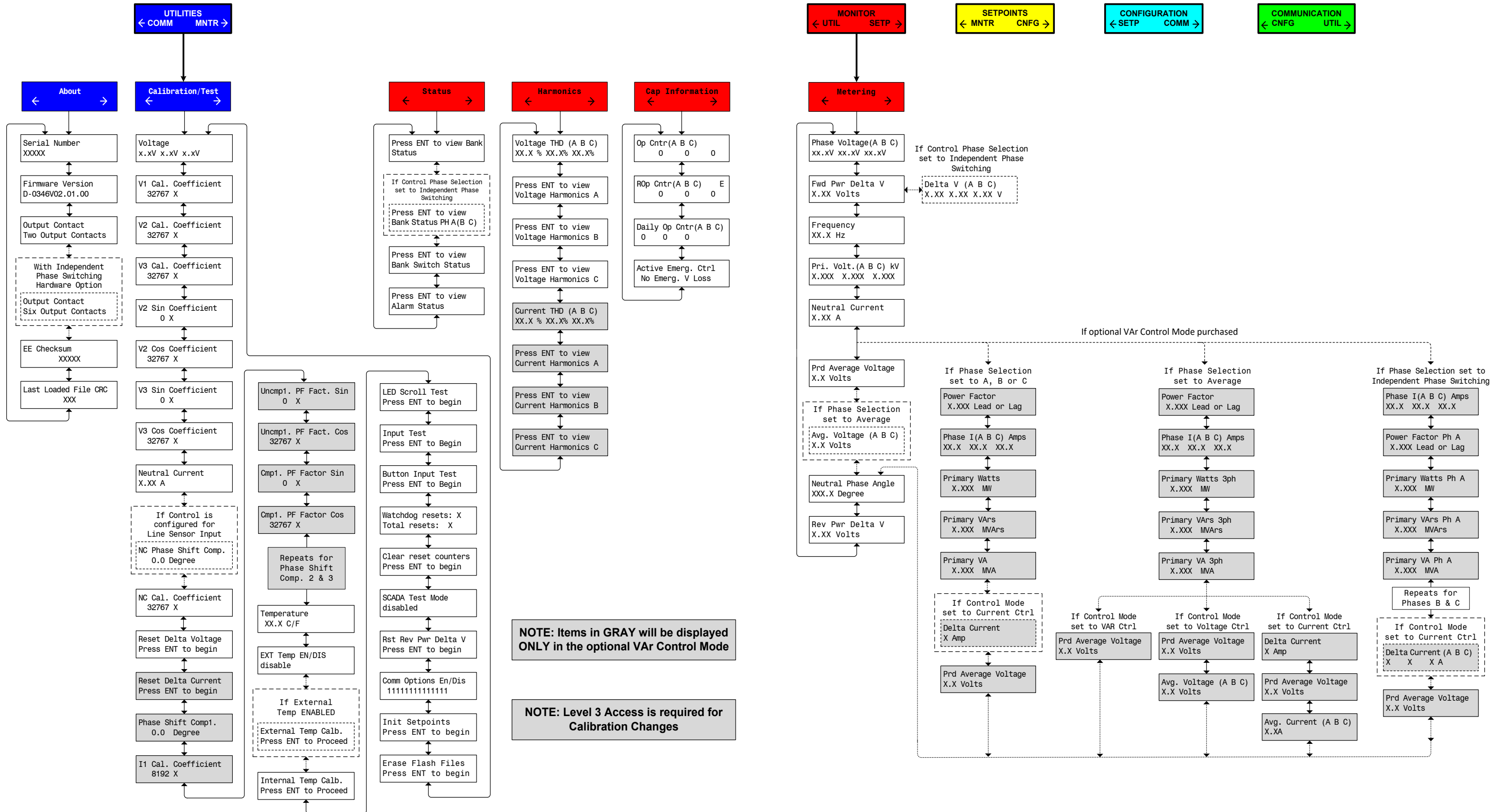
Exercise care during installation, operation and maintenance procedures The equipment described in this manual contains voltages high enough to cause serious injury or death. Only qualified personnel should install, operate, test, and maintain this equipment. Be sure that all personnel safety procedures are carefully followed. Exercise due care when operating or servicing alone.

WARNING: Remove Fuses Before Service.

**BECKWITH
ELECTRIC**



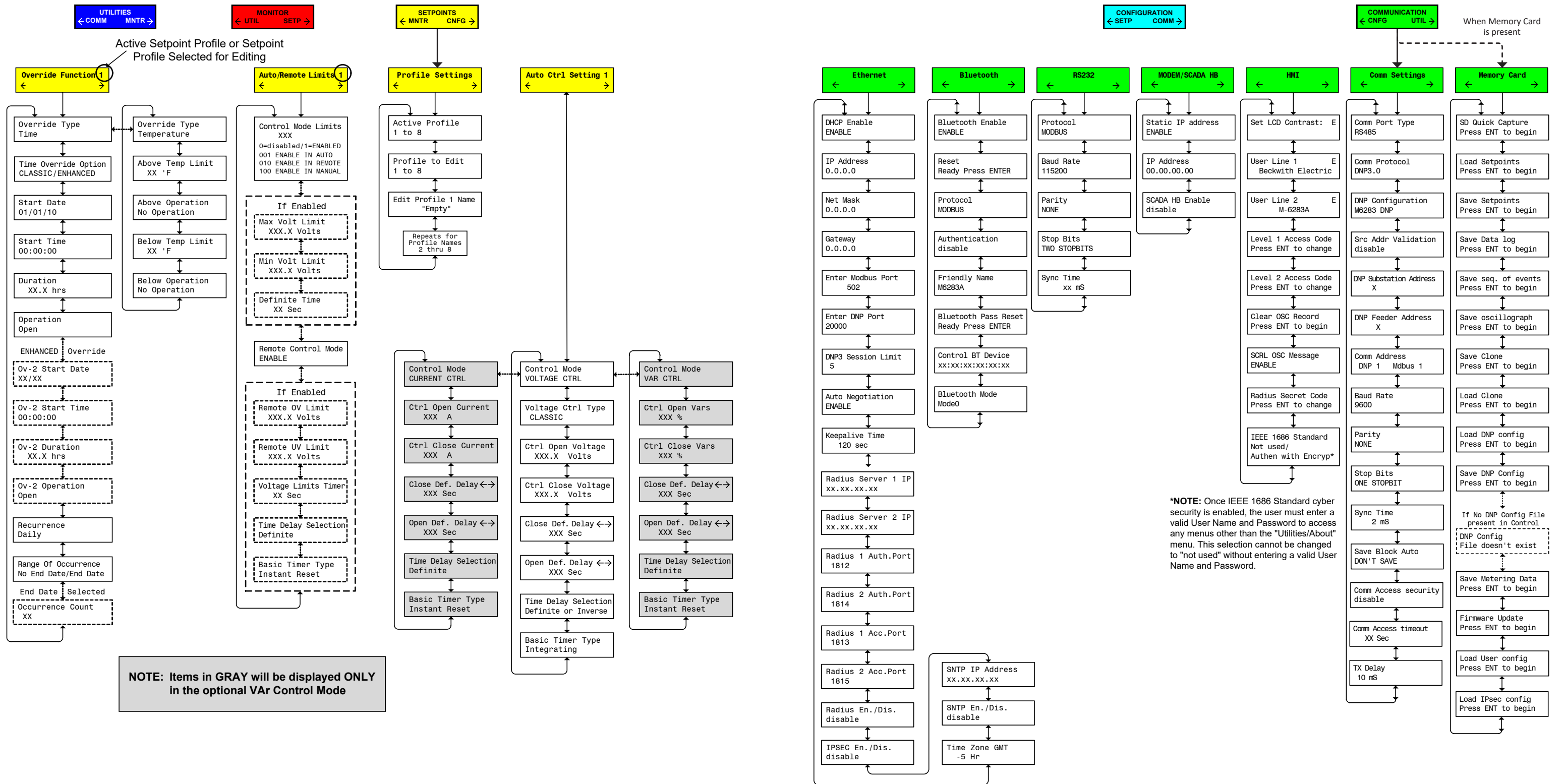
A proud member of the Hubbell family.



At any menu screen:

Press EXIT to go to the Menu Header.

Press either ← → to move sideways to the adjacent Menu Header.



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