

**PASSWORDS**

NOTE: Do not lose passwords. Unit must be returned to factory to recover. Set passwords to "0000" to disable.

**Factory Defaults**

- Level #1 - Set Point Change.....0000 (disabled)
- Level #2 - Access to Configuration Menu..... 2222
- Level #3 - Remote Communications Set Points .....0000 (disabled)

**Communications - LOCAL MODE**

- DISABLED = Communication available all the time.
- READ ONLY = Control limited to READ ONLY when front panel active.
- ALWAYS READ ONLY = Control always limited to READ ONLY.
- NO RD OR WRITE = Communications inhibited when front panel active.
- Front Panel Comm 2 - BECO2200 protocol only.

**To Power Control From External Source**

- Place the Voltage Source switch to **EXT**.
- **CAUTION:** Do not apply 120 volts to **Meter Out** terminals.
- Apply 120 volts AC to **EXTERNAL POWER**.
- Observe grounding symbols.

**CONTROL STATUS  
&  
BIAS SCREEN  
TEST PROCEDURE**

**TO TEST CONTROL**

- Navigate to **Bias Voltage** screen (up 1 from **Local Voltage** screen).
- Press **Ent** pushbutton to shift to test mode.
- Check Status of control output. The test function will not operate if any item is blocking operation of the regulator.
- Press **↑** to increase the band center by the **BIAS VOLTAGE** entered. The regulator will then raise the output voltage to that value.
- Press **↓** to decrease the band center by the **BIAS VOLTAGE** entered. The regulator will then lower the output voltage to that value.
- Press **Ent** to leave the test mode or wait 15 minutes.
- Leaving test mode will cancel the temporary bias voltage.

**Output Status**

Indicates any one of the following:  
**R** = Raise output is active  
**L** = Lower output is active  
*blank* = control within band

**Local Voltage**

Indicates real-time measured value of voltage at the regulator or transformer

**Band Status**

Indicates any one of the following:  
**HI** = voltage is out of band high  
**LO** = voltage is out of band low  
*blank* = In-band

**Run Back / Blocking Status**

Indicates any one of the following:  
**FL** = Force Lower  
**BR** = Block Raise  
**BL** = Block Lower  
**LL** = Block Line Limit  
**DL** = ΔVAR Limit  
*blank* = OK

**Voltage Reduction / Blocking Status**

Indicates any one of the following:  
**R1** = Voltage Reduction Step #1 in effect  
**R2** = Voltage Reduction Step #2 in effect  
**R3** = Voltage Reduction Step #3 in effect  
**BK** = Blocked by non-sequential input, reverse power (with reverse power blocking enabled), by communication command or control in manual.  
*blank* = OK

**BIAS VOLTAGE 0.0**  
**R 119.3 HI BR BK**

**Bias Test Voltage**

Adjustable from -6.0 V to +6.0 V in 0.1 V increments.  
 Factory setting is 0.0.

**Bias Screen Codes**

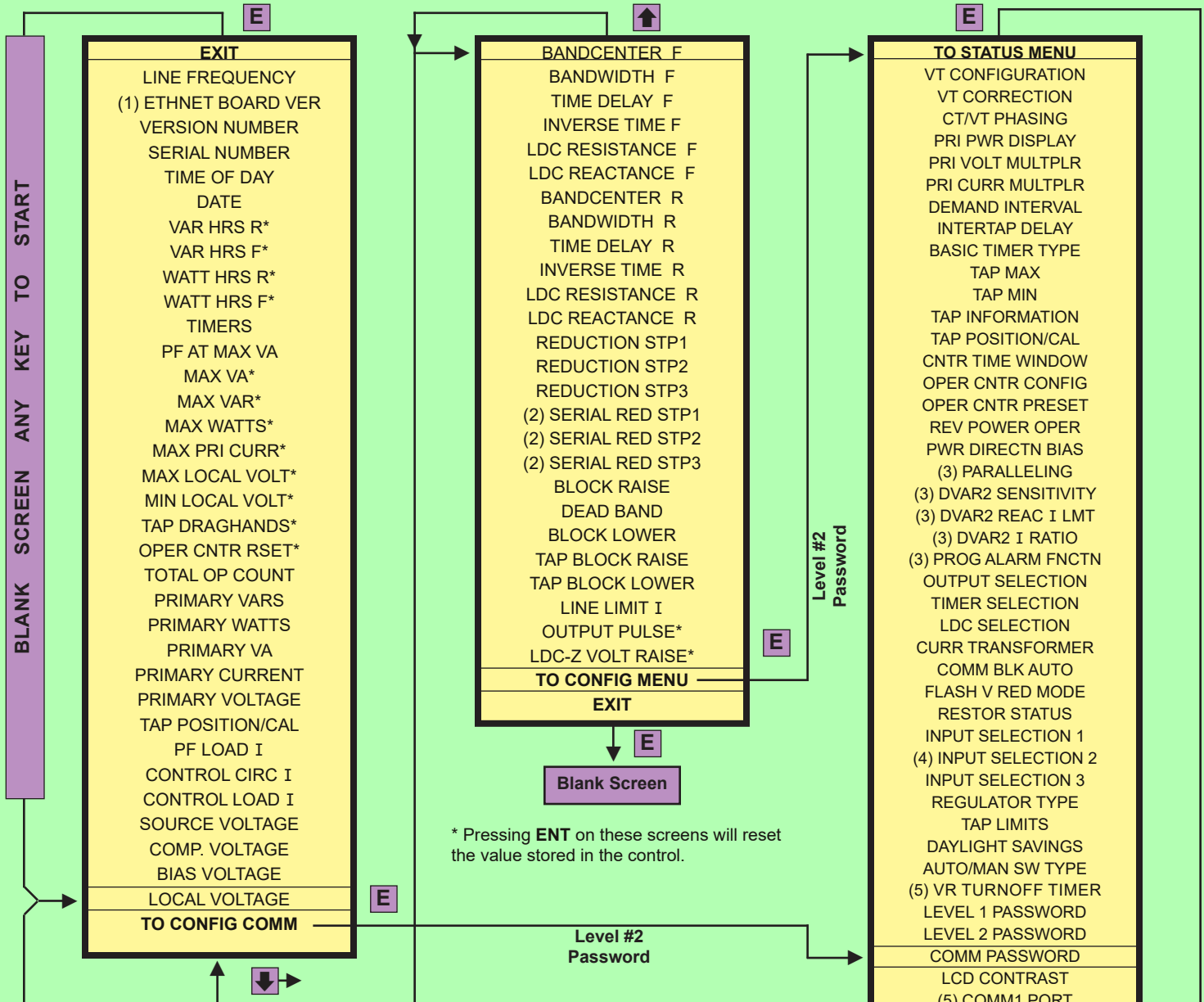


Scan this QR Code for direct access to product software and support documents.

## Status Menu

## Set Points Menu

## Configuration Menu



\* Pressing **ENT** on these screens will reset the value stored in the control.

### MENU DIFFERENCES BETWEEN CONTROL VERSIONS

- (1) Will display "DISABLED" on BASE-T, R and RS controls.
- (2) Only available with optional IEC 61850/UCA 2.0 protocol. Comprehensive and BASE-RS controls only.
- (3) Not displayed or functional on BASE-R and RS controls.
- (4) Not displayed or functional on BASE-R controls.
- (5) Not displayed or functional on BASE-T and R controls.
- (6) Not displayed or functional on BASE-T, R and RS controls.

### SYMBOL CODES

- = UP
- = DOWN
- = ENT

**BECKWITH ELECTRIC**

**Function Finder  
for  
M-2001C  
Tapchanger Controls**

### Settings Change Instructions on any Adjustable Settings Screen

- (A) Press **ENT**. A "C" should flash in the lower right corner. If password is enabled, enter password.
- (B) Use arrow pushbuttons to change the value.
- (C) Press **ENT** again to save.