UDC3000 TAC Tip

Easy Manual Tuning

**Configuration**
Press set up key until you see:
  - Upper Display = SET
  - Bottom Display = CONTROL
Press FUNCTION key until you see:
  - Bottom Display = PBorGAIN
  - press ▲ key until you see:
    - Upper Display = PB PCT
    - Bottom Display = PBorGAIN
Press FUNCTION key until you see:
  - Bottom Display = MINorRPM
  - press ▲ key until you see:
    - Upper Display = MIN
    - Bottom Display = MINorRPM

**Set Initial Tuning Constants**
Press set up key until you see:
  - Upper Display = SET
  - Bottom Display = TUNING
Press FUNCTION key until you see:
  - Bottom Display = PROP BD
  - press ▲ or ▼ key until you see:
    - Upper Display = 10
    - Bottom Display = PROP BD
Press FUNCTION key until you see:
  - Bottom Display = RATE MIN
  - press ▲ or ▼ key until you see:
    - Upper Display = .75
    - Bottom Display = RATE MIN
Press FUNCTION key until you see:
  - Bottom Display = RESET MIN
  - press ▲ or ▼ key until you see:
    - Upper Display = 3.0
    - Bottom Display = RESET MIN
Press LOWER DISPLAY key to exit configuration
Manual Tuning Procedure

Initial procedure
Press set up key until you see:
   Upper Display = SET
   Bottom Display = TUNING
Press FUNCTION key until you see:
   Bottom Display = PROP BD
   press △ or ▲ key until to double the present value: 10, 20, 40, 80 ect.
   Upper Display = (double previous value)
   Bottom Display = PROP BD
Press FUNCTION key to enter new value:
If process response is better continue this procedure.
If process response is worse change PROP BD between last to settings.
   Example: If 40 is worse than 20 try 30
Try for the largest PROP BD that will keep the process tuned to your requirements.
The larger the PROP BD the more stable the process control.

If Initial procedure fails to tune process
Press set up key until you see:
   Upper Display = SET
   Bottom Display = TUNING
Press FUNCTION key until you see:
   Bottom Display = PROP BD
   press △ or ▲ key until you see:
   Upper Display = 10
   Bottom Display = PROP BD
Press FUNCTION key until you see:
   Bottom Display = RATE MIN
   press △ or ▲ key until you see:
   Upper Display = 0.0
   Bottom Display = RATE MIN
Repeat initial procedure with new rate constant (0.0)