

PROGRAMMABLE COUNTER - MODEL 254D



Features

- 4 Digit Preset Counter with separate displays for Count and Set Limit
- Large 0.8" display for count, 0.56"
- Programmable Multiplying and dividing factor
- Pre-settable Batch Counter
- Up/Down Counting Selectable
- Normal/Auto-Reset with Time setting
- Non-Volatile memory to hold settings and counts
- Password for Program configuration lock

Specifications

- Display : 4 Digit, 7 segment LED display (0.8" height) for Count
4 Digit, 7 segment LED display (0.56" height) for Limit
- Range : Maximum Count of 9999
- Set Points : Single set points programmable from 1-9999
- Batch Limit : Batch limit setting from 0 to 999
- Operating Modes : a. Auto Mode (Time Settable) b. Manual Mode (Delay set to Zero)
- Count Inputs : a. Voltage Pulse : 3V to 30V DC amplitude from proximity switch
b. Potential free contact from limit switch, relay or micro switch
- Input Frequency : 0 to 1 KHz
- Sensor Supply : 10V DC, short circuit protected
- Multiplying Factor: Programmable from 1-99
- Division Factor : Programmable from 1 to 99
- Reset Input : a. Front Panel b. Remote reset by rear terminals
- Relay Outputs : NO-Pole-NC contact rated at 5Amp @ 230 V AC
- Memory Retention: 10 years
- Configuration Lock: By Password
- Mounting : Panel Mounting
- Size : 96mm x 96mm. Depth 50mm
- Weight : Approx. 375 gms.
- Operating Temp. : 0-50°C
- Humidity : 95% RH

Directions for Usage

- **Changing the Set Limit**
 - Directly use the Up and Down keys to change the set limit (lower display)
- **Resetting Count**
 - Press front reset switch to Reset Count to Zero
- **Time Delay Setting**
 - Press the Mode Switch. Upper display shows “dELY” (Delay), while the lower display shows the Time delay setting in seconds.
 - Use Up and Down keys to make changes. Range is 0-999 seconds.
 - Setting the Time to zero makes the counter work in Manual mode (When Set Limit is reached, relay remains on till Reset switch is pressed)
 - Setting the Time to a non-zero value: When the count reaches the Set Limit, Relay switches on for time set. When time is completed, relay switches off and Count gets reset to Zero.
 - After changes have been made, press Mode switch to go to next setting
- **Jam/Not Jam Setting**
 - After previous setting, upper display shows “JAM” while lower display shows ‘YES’ or ‘NO’ as per previously saved setting
 - If set to YES, the counter does not count during time delay interval after count reaches the set limit.
 - If set to NO, the count continues to count if pulse is given during relay on time delay interval
 - Use Increment and Decrement switches to toggle between YES and NO.
 - After changes have been made, press Mode switch to go to next setting
- **Password Setting**
 - After previous setting, upper display shows “PASS” while lower display shows 0000
 - If changes to configuration settings have to be made, set the Password to “1234” using Increment and Decrement switches.
 - After changes have been made, press Mode switch to go to next setting
- **Multiplier Value**
 - After previous setting, upper display shows “MULT” while lower value indicates last set Multiplier
 - This represents the increment in count with every input pulse
 - Use Increment and Decrement switches to make changes. Changes are possible only if correct Password has been entered
 - After changes have been made, press Mode switch to go to next setting
- **Divider Value**
 - After previous setting, upper display shows “diV” while lower value indicates last set Divider
 - This represents the number of pulses required before next increment in count
 - Use Increment and Decrement switches to make changes. Changes are possible only if correct Password has been entered
 - After changes have been made, press Mode switch to go to next setting

- **Up/Down Count**
 - After previous setting, upper display shows “Cnt” while lower value indicates “Up” or “dn” as per previous setting
 - This represents the direction of count.
 - Use Increment and Decrement switches to make changes. Changes are possible only if correct Password has been entered
 - After changes have been made, press Mode switch to go to next setting

- **Batch Count (Number of Cycles)**
 - After previous setting, upper display shows “n-CY” while lower value indicates last set number of cycles
 - This represents the number of times the count can reach the set limit before counting is deactivated. Once deactivated, Reset switch needs to be reactivate count.
 - Setting the Batch count to Zero, deactivates this feature.
 - Use Increment and Decrement switches to make changes. Changes are possible only if correct Password has been entered
 - After changes have been made, press Mode switch to return to normal Count display