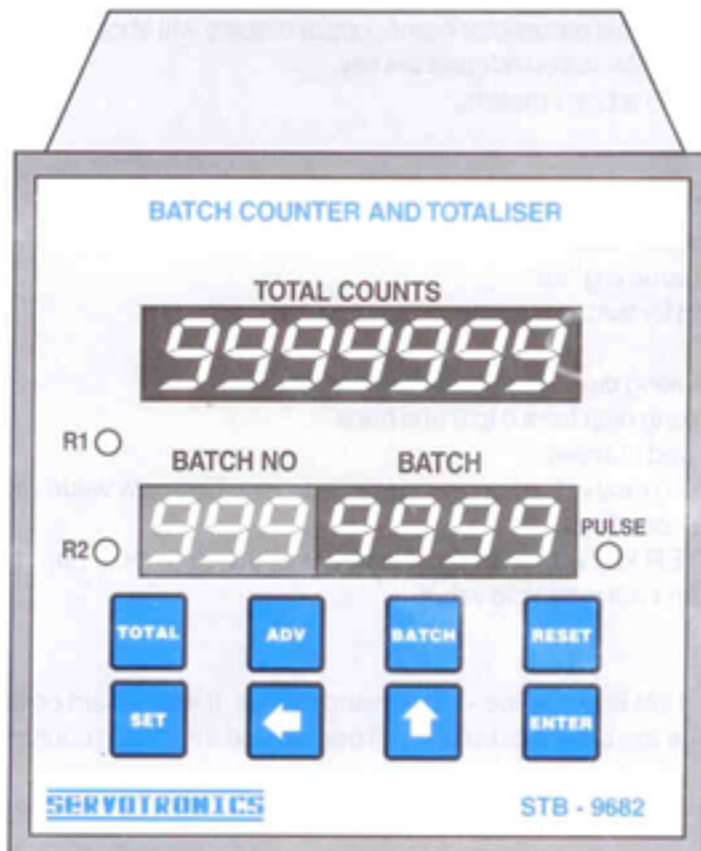


These microcontroller based instruments have been designed to provide industry with

★ ACCURATE ★ RELIABLE ★ VERSATILE ★ COMPACT ★

tools for various control applications.

BATCH COUNTER & TOTALISER



MODEL NO. STB - 9682

SPECIAL FEATURES

■ Our eight key concept makes parameter entry very simple. There is a separate key for each parameter entry. It also helps to check parameter value without disturbing set values.

■ All set parameters are stored in non volatile memory.

■ At power down the counter data is stored in nonvolatile memory, which is restored back at power up.

DISPLAYS

1. There are 3 sets of displays.
 - a). Upper seven digit displays indicate current reading of total count. (0- 99999999)
 - b). Lower right four digit red displays indicate the current batch counts (0 - 9999)
 - c). Lower left three digit green displays indicate completed number of batches. (0 - 999)
2. LEDs
 - R1 - indicates buzzer (or relay) ON for advance counts.
 - R2 - indicates relay ON for total counts.
 - PULSE - indicates input signals from proximity switch.

■ WORKING PRINCIPLE

The input counts are simultaneously indicated on the TOTAL COUNTS and the BATCH displays.

When the batch is completed the batch display is reset to zero and the BATCH NO. is updated.

The TOTAL COUNTS show the cumulative counts.

The advance count setting initiates a buzzer signal for each batch till the batch counts are completed.

On completion of the TOTAL COUNTS setting a relay is energised.

The RESET switch is pressed only for starting a new cycle as all displays and function are set to zero.

■ APPLICATION

For use with Plastic, Textile, Printing and other continuous process machinery.

A WIDE RANGE TO SELECT FROM TO SUIT YOUR SPECIFIC APPLICATION AND YOUR BUDGET

■ SPECIFICATION

1. Model No. : STB - 9682 Batch Counter & Totaliser
2. Input : NPN Proximity Switch or Potential free contacts (Options : Opto-coupler or 230 V ac Pulses)
3. Output : A). Buzzer On For Advance set. Relay optional. B). Relay On at Total Count setting.
4. Supply : 230 Volt AC, 50 Hz. (+/- 15%)
5. Size : 96mm (H) x 96mm (W) x 110mm (D)
6. Case Style : M.S Sheet body, ABS front bezel, Panel mounting by 2 side clamps.



■ OPERATING INSTRUCTION

The unit has two modes : 1 Check mode 2 Set mode

Check mode : In this mode upper four keys are operational. By pressing any of the four keys you can check entered parameters for that key. The lower display will show parameter name, upper display will show actual parameter value. The unit will go back to normal function once you release the key.

Set mode : in this mode you can change previously entered parameters.

The procedure is as follows

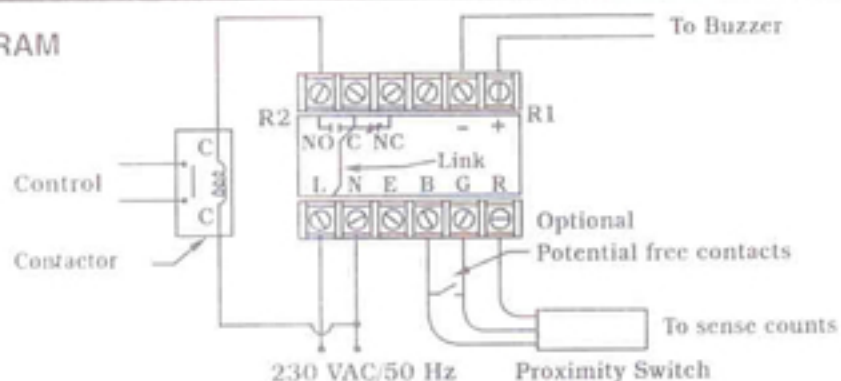
- * Press SET key: The lower display will show "SET"
- * Press any of upper four key to change desired parameters.
- * The lower display will show "S" and parameter name e.g "tot".
- * The upper display will show actual value entered for that parameter.
- * The right most digit will start blinking.
- * By pressing SHIFT key  you can shift the blinking digit from right to left and back.
- * BY pressing UP key  you can scroll the blinking digit from 0 to 9 and back.
- * With help of SHIFT and UP key you can set desired number.
- * After setting new value press ENTER key to store new value in non-volatile memory. This new value will be effective till you change again by the above procedure.
- * After setting new values if you fail to press ENTER key within 5 seconds, the unit will go back to normal function rejecting new entries. In this case the unit will retain old value.

RELAY & BUZZER OPERATION

Relay 1 : Will operate when incoming batch pulses = set Batch value - set Advance Value. It will remain on till incoming batch pulses = set batch value. At this stage the relay 1 or buzzer will become off and batch counter will reset to "00".

Relay 2 : Will operate when incoming total pulses = set total value. Relay 2 will remain on till you manually reset the total counter to "00" by reset key.

SCHEMATIC WIRING DIAGRAM



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Continuous developments to suit the latest design techniques may necessitate change in the above details without notice.