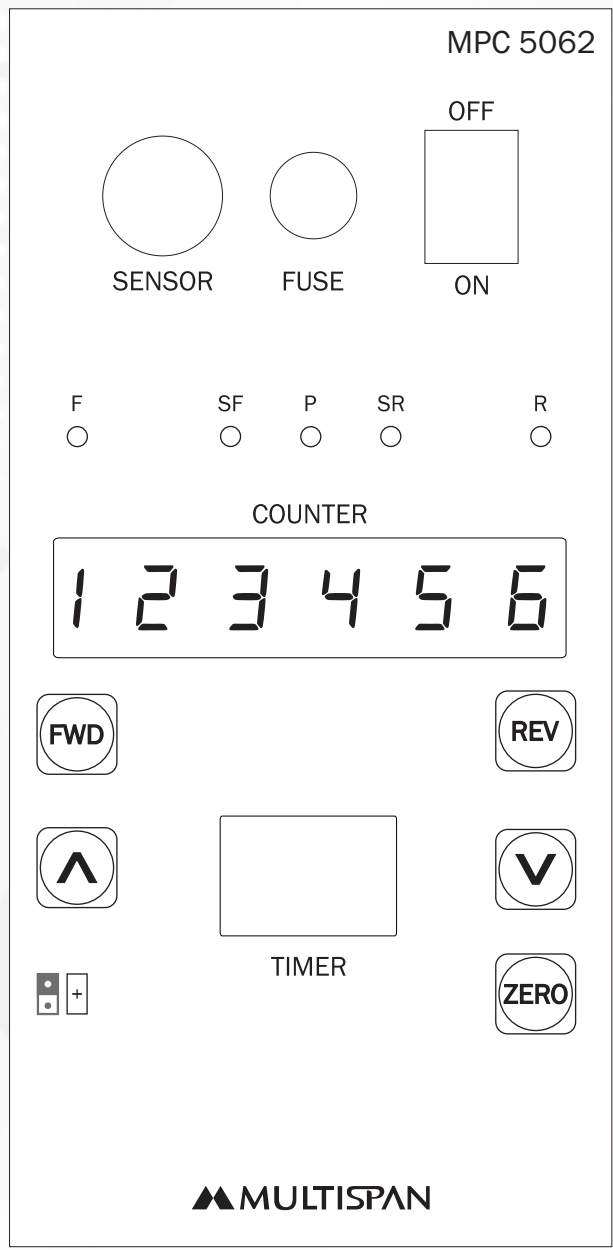




Photo Electric Control

MPC-5062



Multispan Control Instruments Pvt Ltd

72/B, Phase 1, GIDC Estate, Vatva, Ahmedabad-382445, Gujarat, India.

✉ marketing@multispanindia.com ☎ +91-9978991482

🌐 www.multispanindia.com








Technical Specification

| | |
|--------------|--|
| Model | MPC - 5062 |
| Display | Upper: 6 digit, 0.56" , 7 segment, Red LED Lower: 2 digit, 0.56" , 7 segment, Red LED |
| Dimension | 192 X 96 X 100 mm |
| Panel Cutout | 188 X 92 mm |
| Range | 0-999999 Count (0-99) x10 mili second Time |
| Input | 2 NPN Proximity, Color mark sensor, micro Switch |
| Output | 110V AC For Control Winding 110V AC For Main Winding |
| Supply | 110V AC,50Hz,Approx 4VA |
| Memory | Power Fail Facility |
| Reset | Front Zero Key |


LED

- 1). First red Led (F) glows when control motor runs in forward direction.
- 2). Second Green Led (SF) glows when proximity for forward motor is sensed.
- 3). Third Yellow Led (P) glows when photocell sensor is sending.
- 4). Fourth Green Led (SR) glows when proximity for reverse motor sensed.
- 5). Fifth Red Led (R) glows when control motor runs in reverse direction.

Keys Operation

- 1).  &  Key are used to set the time in two digits from (0-99) x10 mili- seconds for which motor forward or reverse when the pouch is not in exact position.
- 2).  &  Keys are used in manual operation when wants to operate forward and reverse motor manually.
- 3). If you press  key, then Led (F) will glow indicating motor running in forward direction.
Motor remains in on condition unit operating time is over.
- 4). The same phenomenon happen but in reverse direction when you press  key.
- 5).  Key is used to reset the count. When you press this key then display will indicate 000000 count.

Conditions to be considered for positioning of the motor

- 1). When the pulse from the photocell and pulse from the forward proximity comes at the same time then motor runs in the forward direction.
- 2). When the pulse from the photocell and pulse from the reverse proximity comes at the same time then motor runs in the reverse direction.
- 3). In healthy or running condition the pulse from forward proximity, photocell and then reverse proximity is sensed one by one.
- 4).  This figure shows the selector switch whether one likes to operate the photo control unit in the light or dark mode. The light and the dark modes indicate whether the instrument senses the positive pulse or the negative pulse depending upon the type of the photocell.

Working

- 1). The Photo sensor is connected as the input to the photo controller and also the two proximity switches are also connected as input for sensing.
- 2). Depending upon the conditions mentioned above the photo controller will give the signal accordingly to move the motor either in forward or reverse direction.
- 3). If any mismatch occurs during packing time then the controller adjusts the mismatch by rotating forward or reverse motor.

Connection Diagram

