**PROGRAMMABLE COUNTER - MODEL 2500**

**Features**
- 6 Digit Preset Counter
- Dual Limits settable with dual relay output
- Programmable Multiplying and dividing factor
- Pre-settable Batch Counter
- Cumulative 6 Digit Counter
- Up/Down Counting Selectable
- Normal/Auto-Reset with Time setting
- Non-Volatile memory to hold settings and counts
- Program configuration lock at rear
- External Setting for Slow/Fast for noiseless operation

**Specifications**
- **Display**: 6 Digit, 7 segment LED display (0.3” height)
- **Range**: Selectable least count of 0.001, 0.01, 0.1, 1. Maximum Count of 999999
- **Set Points**: Two set points each programmable from 0.001 to 999999
- **Batch Limit**: Batch limit setting from 0 to 999
- **Operating Modes**: a. Auto Mode  b. Manual Mode  c. No limit Mode (Event Counter)
- **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**: a. 0 to 30 Hz  b. 0 to 1 KHz
- **Sensor Supply**: 10V DC, short circuit protected
- **Multiplying Factor**: Programmable from 0.001 to 999.999
- **Division Factor**: Programmable from 001 to 999
- **Reset Input**: a. Front Panel  b. Remote reset
- **Relay Outputs**: Two relays, one for each set point; 1 C/O (SPDT) rated at 5Amp @ 230 V AC
- **Memory Retention**: 10 years
- **Configuration Lock**: Via rear DIP-Switch to avoid changes in configured parameters by mistake
- **Mounting**: Panel Mounting
- **Size**: 72mm x 72mm
- **Weight**: Approx. 375 gms.
- **Operating Temp.**: 0-50°C
- **Humidity**: 95% RH

**Terminal Connection and Description**

```
<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Live</td>
</tr>
<tr>
<td>2</td>
<td>Neutral</td>
</tr>
<tr>
<td>3</td>
<td>Reset Input</td>
</tr>
<tr>
<td>4</td>
<td>Common Supply (10V) for Reset and Proximity Sensor</td>
</tr>
<tr>
<td>5</td>
<td>Count Input</td>
</tr>
<tr>
<td>6</td>
<td>Ground (Negative Supply for sensor)</td>
</tr>
<tr>
<td>7</td>
<td>Normally Open Contact for Relay 1</td>
</tr>
<tr>
<td>8</td>
<td>Pole of Relay 1</td>
</tr>
<tr>
<td>9</td>
<td>Normally Close Contact for Relay 1</td>
</tr>
<tr>
<td>10</td>
<td>Normally Open Contact for Relay 2</td>
</tr>
<tr>
<td>11</td>
<td>Pole of Relay 2</td>
</tr>
<tr>
<td>12</td>
<td>Normally Close Contact for Relay 2</td>
</tr>
</tbody>
</table>
```

LOCK/PROG : Shifting rear DIP-Switch for Configuration Lock
SLOW/FAST : Shifting rear DIP-Switch for slow/fast count selection