

OPERATING MANUAL COUNTER CUM RPM INDICATOR MMC - 1046RD, 2046R

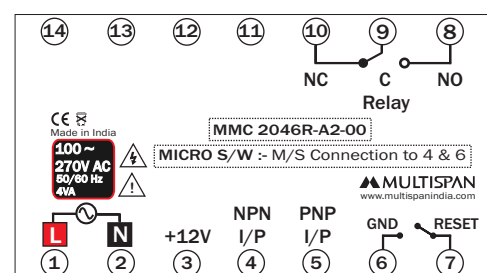
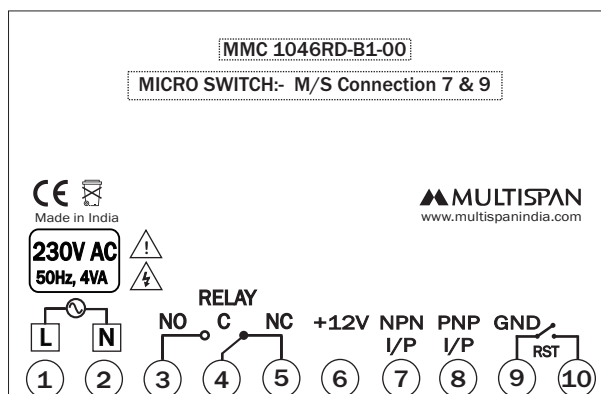
MULTISPAN







Specifications:

Model	MMC-1046RD	MMC-2046R
Display	UPPER:- 6 Digit 7 seg 0.56", White LED Display LOWER:- 4 Digit 7 seg 0.4", green LED Display	UPPER:- 6 Digit 7 seg 0.56", White LED Display LOWER:- 4 Digit 7 seg 0.4", green LED Display
Size(HXWXD)	96 X 96 X 43 mm	72 X 72 X 45 mm
Panel Cutout	92 X 92 mm	68 X 68 mm
Range	Counter : 0 - 999999, RPM : 0 - 9999	
Output	1 Relay, 1C/O,230V AC,5A	
Power Supply	230V AC, 50 Hz, Approx 4VA	100 to 270V AC,50/60Hz, Approx 4VA
Sensor	Proximity PNP/NPN (Selectable) & Micro Switch	
Memory	Nonvolatile	
Reset	Reset at both front & back	
Protection Level (As per request)	IP-65(Front side) AS per IS/IEC 60529:2001	
Operating Temperature	0° C To 55° C	
Relative Humidity	Up to 95% RH Non Condensing	

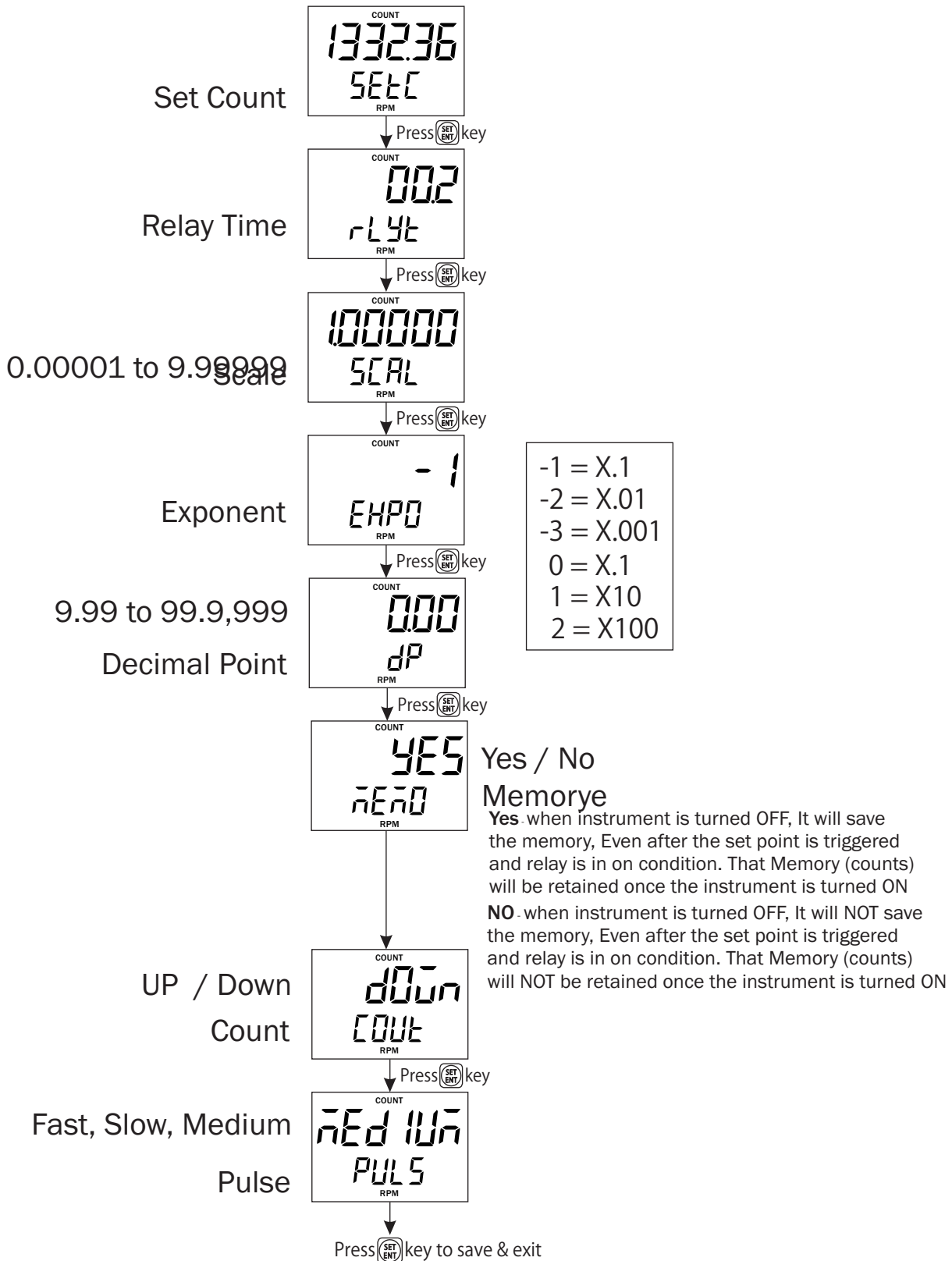
Connection Terminal






Key Operation

- 1) Press  key to save the new value as well as to enter into SETTING mode.
- 2) Press  key to shift to the next digit.
- 3) Press  key to change the value
- 4) Press  key for some time to restart count

Basic Configuration



Working


- 1) Do all the connection as shown in connection diagram and turn ON instrument.
- 2) Upper display will show Total Count Value and Lower display will show RPM value.
- 3) Upper display value increases on receiving pulses from proximity sensor showing total count of the production, while lower display will show number of production per unit time.
- 4) To show grand Total Press  key
- 5) Reset can be programmed by two method, a) Manual Reset, b) Auto Reset
If we set time = 00.0 sec then it is in Manual Reset mode & we have to press  key to start next cycle. If we set time = 00.1 to 99.9 sec then it is in Auto Reset mode & next cycle will start automatically on completion of first.
- 6) In manual mode when we press  key to reset, the upper display shows '000000' reading and count starts again.
- 7) During power failure last value gets stored in the memory and resumes counting from the same value on gaining Power again.

Safety Precautions

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment .

=> Read complete instructions prior to installation and operation of the unit.

 **WARNING** : Risk of electric shock.

Warning Guidelines

- 1) To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
- 2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
- 3) Cable used for connection to power source, must have a cross section of 1mm^2 or greater. These wires should have insulations capacity made of at least 1.5kV.
- 4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

Installation Guidelines

- 1) This equipment, being built-in-type, normally becomes a part of main control panel and such in case the terminals do not remain accessible to the end user after installation and internal wiring.
- 2) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
- 3) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
- 4) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

Mechanical Installation

MODEL	A	B	C	D	E	F
DIMENSIONS	96mm	96mm	92mm	92mm	3mm	43mm

MODEL	A	B	C	D	E	F
DIMENSIONS	72mm	72mm	68mm	68mm	3mm	45mm

- 1) Prepare the panel cutout with proper dimensions as show above.
- 2) Fit the unit into the panel with the help of clamp given.
- 3) The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oils steam, or other unwanted process by products.
- 4) Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
- 5) Do not connect anything to unused terminals.

Maintenance

- 1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
- 2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
- 3) Fusible resistor must not be replaced by operator.

Product improvement and upgrade is a constant procedure. So for more updated operating information and support, Please contact our helpline : +91-9081078681/9081078683 or Email at service@multispanindia.com Ver: 2022