OPERATING INSTRUCTIONS
RC5100A / RC2100 & RC100C

Please maintain these instructions and review them before using the unit:

⚠ **Warning:**

1. This unit is panel mounted type with its output terminals getting connected to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like BS EN 61326-1 and BS EN 61010 respectively.
2. To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done strictly as per the terminal layout, given in the manual.
3. Use lugged terminals to meet M3 screws.
4. The unit does not have a built-in fuse. External fuse rated 275V AC/1A is recommended.

⚠ **Caution:**

1. This unit is not intended for outdoor use.
2. The power connection cable must have a cross-section of atleast $1mm^2$ and insulation capacity of atleast 1.5kV.
3. The output connections must not be loaded beyond the specified values/range.
4. Avoid inflow of dust and contact of conductive material with the internal circuitry of the unit.
5. The unit must not operate in presence of heating sources, caustic vapors, oil, steam, vibration or impact etc.
6. Do not use any organic solvents like Isopropyl alcohol. Care must be taken to avoid entry of water into the circuitry through the ventilation holes.

SPECIFICATIONS
SUPPLY VOLTAGE
90 to 270V AC/ DC; AC: 50/ 60 Hz
24V AC/DC

DISPLAY
4 digit, 7 segment LED
RC5100:
0.3'' height Bright Red LED
RC2100 & RC100C:
0.5'' height, Bright Red LED

RANGE
Auto ranging (4.00 to 9999 RPM)

ACCURACY
0.05%

SENSOR SUPPLY
12 VDC(±10%), 30 mA

INPUT
a) Voltage pulse : 3 to 30 VDC from proximity switches **(PNP type)**, encoders or solid state devices.
b) Potential free contact from limit switch, relay or micro - switch

OPERATING TEMP.
0 - 50°C

HUMIDITY
95% RH

HOUSING
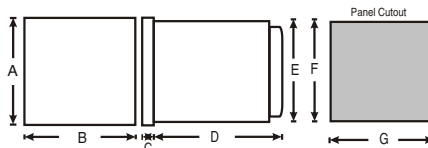**CE marked products:** Flame retardant plastic
Non CE products: ABS plastic.

WEIGHT
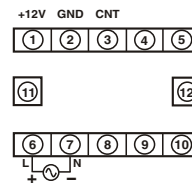**RC5100A** - 150gms
RC2100 - 232gms
RC100C - 365gms

PANEL DIMENSIONS (dimensions in mm)

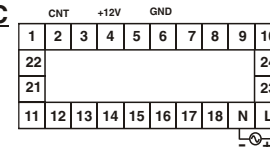| MODELS / DIM	A	B	C	D	E	F	G
RC5100A	48	48	7	100	45	46	46
RC2100	72	72	10	115	68	69	69
RC100C	50	97.5	10	88	45	46	92

TERMINAL CONNECTIONS

RC5100A

RC2100
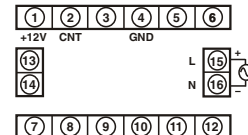
RC100C

Sensor color codes and Connections:-
Red = +12V, Green = CNT, Black = GND;
Brown = +12V, Black = CNT, Blue = GND.
For using Potential free contact, connect the contact across +12V and CNT terminals.