



72 x 72mm

## Features :

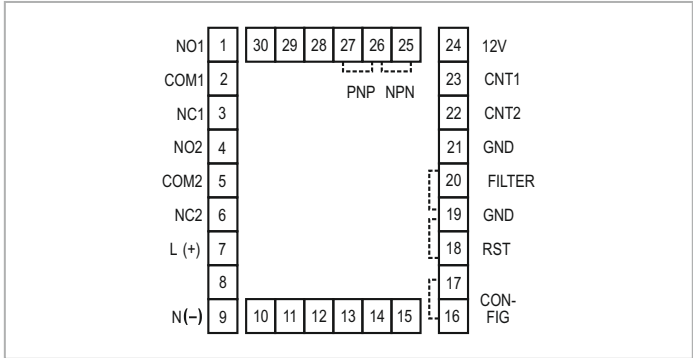
- 6 digits Counter, 4 digits RPM Indicator
- LED Indications: Relay 1, Relay 2, Rate, Batch
- Dual Set Point
- Programmable input scaling
- User configurable Relay 2 operation mode
- User configurable Rate/ Font
- Unidirectional, Bi - directional & Quadrature mode with up/ down selection

Certifications: 

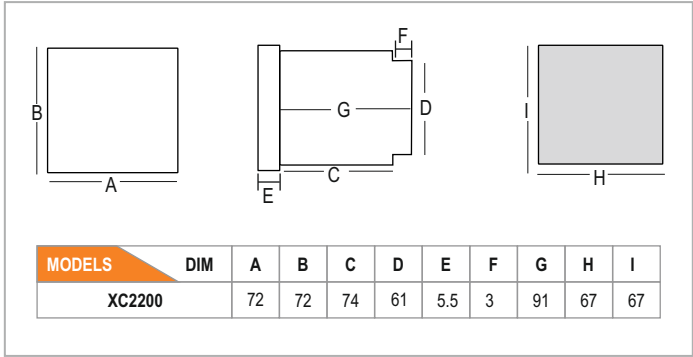
## Technical specifications

| Display specifications          |                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Display                         | 6 digits for Counter, 4 digits for RPM Indicator                                                                      |
| LED indication                  | 1: Relay1, 2: Relay2, Rt: Rate Bt: Batch                                                                              |
| Input specifications            |                                                                                                                       |
| Sensor type                     | NPN/ PNP                                                                                                              |
| Input type                      | Voltage pulse (5 to 30V DC) from Proximity switches, Encoders, Solid state devices, Potential free contact            |
| Input speed                     | a) 0 to 30Hz<br>b) 0 to 5kHz                                                                                          |
| Accuracy                        | Rate: 0.05% ± 2 counts                                                                                                |
| Output specifications           |                                                                                                                       |
| Sensor supply                   | Inbuilt, 12 VDC, 30mA                                                                                                 |
| Contact rating                  | Relay: NO: 10A 250 VAC/ 28 VDC<br>NO/ NC: 5A/ 5A 250 VAC/ 28 VDC                                                      |
| Relay contact                   | 2X SPDT                                                                                                               |
| Functional specifications       |                                                                                                                       |
| Modes                           | ON delay/ Interval/ Auto reset/ Time pulse repeat                                                                     |
| Time ranges                     | Count: Selectable least count 0.0001, 0.001, 0.01, 0.1 & 1<br>Rate: Auto ranging 4.00 to 9999<br>RPS, RPM or RPH mode |
| Counting direction              | Unidirectional, Bidirectional, Quadrature                                                                             |
| Set point                       | 2                                                                                                                     |
| Scale factor                    | 0.00001 to 9.99999 x 10 <sup>n</sup><br>n = - 5, - 4, - 3, - 2, - 1, 0, 1, 2                                          |
| Reset                           | Front (user selectable), Remote                                                                                       |
| Memory retention                | Yes                                                                                                                   |
| Auxiliary supply specifications |                                                                                                                       |
| Supply voltage                  | 90 to 270 VAC/ DC (50/ 60Hz)                                                                                          |
| Power consumption               | 6VA Max.                                                                                                              |
| Environment specifications      |                                                                                                                       |
| Temperature                     | Operating: 0 to 50°C (32 to 122°F)<br>Storage: - 20 to 75°C (- 4 to 167°F)                                            |
| Humidity (non - condensing)     | 95% RH                                                                                                                |
| Mechanical specifications       |                                                                                                                       |
| Mounting                        | Panel mount                                                                                                           |
| Weight                          | 228.53gms                                                                                                             |

Terminal connections



Dimensions (All are in mm)



Compliance

| Applicable EMI / EMC Standards    |                     |               |
|-----------------------------------|---------------------|---------------|
| Product Standard                  |                     |               |
| Category                          | Reference Standards | Testing Level |
| Electrostatic Discharge           | IEC 61000-4-2       | Level-3       |
| Electrical Fast Transient / Brust | IEC 61000-4-4       | Level-3       |
| Electromagnetic Field             | IEC 61000-4-3       | Level-3       |
| Surge                             | IEC 61000-4-5       | Level-3       |
| Conducted RF                      | IEC 61000-4-6       | Level-2       |
| Rated Power Frequency             | IEC 61000-4-8       | Level-4       |
| Voltage Dip / Short Interruptions | IEC 61000-4-11      | Level-3       |
| Conducted Emissions               | CISPR-11            | Class-B       |
| Rated Emissions                   | CISPR-22            | Class-A       |
| Emission & Immunity               | IEC 61326-1         |               |
| Safety                            | IEC 61010-1         |               |
| PFMF (Passing criteria)           | IEC 61000-4-8       | Class A       |

Ordering information

| Product code | Supply voltage    | Certification |
|--------------|-------------------|---------------|
| XC2200       | 90 to 270 VAC/ DC | ----          |
| XC2200-CE    | 90 to 270 VAC/ DC | CE            |