72 x 72mm

## Features :

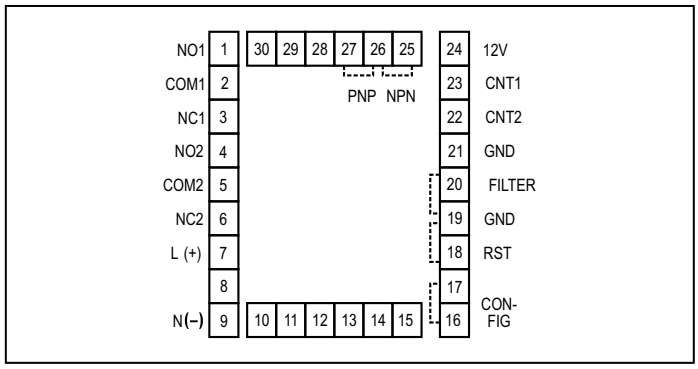
- 6 digits Counter, 4 digits RPM Indicator
- LED Indications: Relay 1, Relay 2, Rate, Batch
- Dual Set Point
- Programmable input scaling
- User configurable Relay 2 operation mode
- User configurable Rate/ Font
- Unidirectional, Bi - directional & Quadrature mode with up/ down selection

**Certifications:** CE

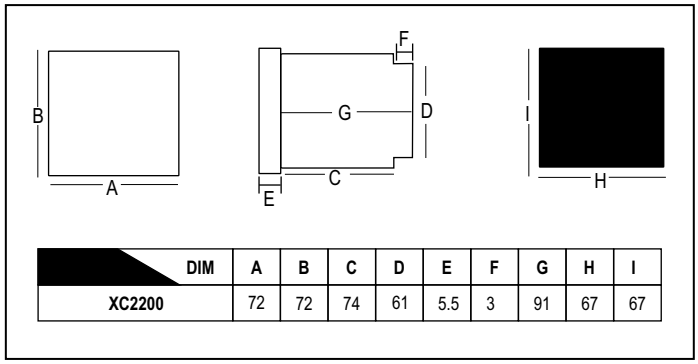
## Technical specifications

| | |
|---|---|
| Display | 6 digits for Counter, 4 digits for RPM Indicator |
| LED indication | 1: Relay1, 2: Relay2, Rt: Rate Bt: Batch |
| Sensor type | NPN/ PNP |
| Input type | Voltage pulse (5 to 30V DC) from<br>Proximity switches, Encoders,<br>Solid state devices, Potential free contact |
| Input speed | a) 0 to 30Hz<br>b) 0 to 5kHz |
| Accuracy | Rate: 0.05% ± 2 counts |
| 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 |
| Modes | ON delay/ Interval/ Auto reset/ Time pulse repeat |
| Time ranges | Count: Selectable least count<br>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 $10^n$<br>n = - 5, - 4, - 3, - 2, - 1, 0, 1, 2 |
| Reset | Front (user selectable), Remote |
| Memory retention | Yes |
| Supply voltage | 90 to 270 VAC/ DC (50/ 60Hz) |
| Power consumption | 6VA Max. |
| 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 |
| Mounting | Panel mount |
| Weight | 228.53gms |

## Terminal connections




## Dimensions (All are in mm)




| DIM | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| XC2200 | 72 | 72 | 74 | 61 | 5.5 | 3 | 91 | 67 | 67 |

## Compliance

| 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

| | | |
|---|---|---|
| **XC2200** | 90 to 270 VAC/ DC | ---- |
| **XC2200-CE** | 90 to 270 VAC/ DC | |