

## 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**

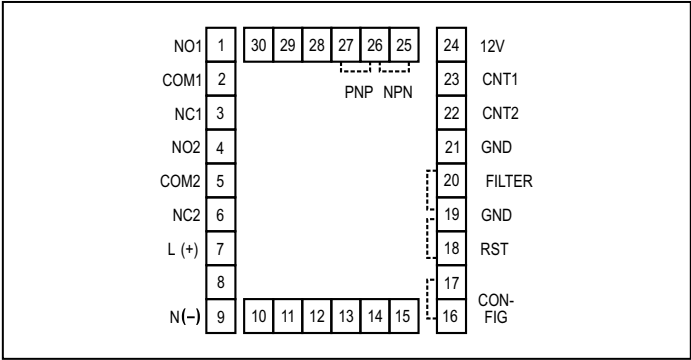
**Certifications:** 

72 x 72mm

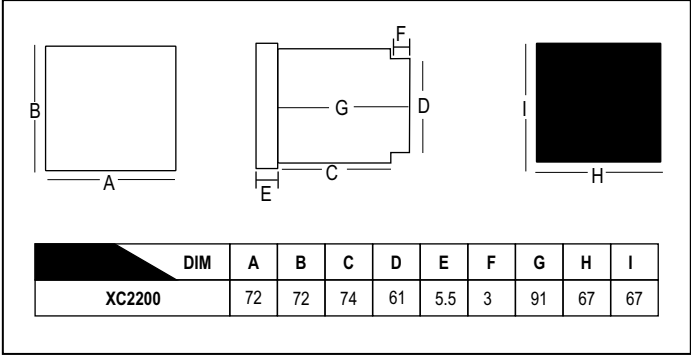
## Technical specifications

|                             |                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 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% $\pm$ 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 $\times 10^n$<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)



Ordering information

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

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       |