



EMERSON™

E-CLASS CH

Basic refrigeration controllers in CH format

PN 04/18 MARCH



The **E-CLASS** family of controllers for the N.T. and L.T. refrigeration market, has been renewed with the introduction of new important features, such as:

a wider display, the compatibility with new low GWP refrigerants and new functionalities, as well as the elegant and innovative CH aesthetic.

1. Functions

- Easy and intuitive programming mode
- Reduced number of parameters
- Further functions: keyboard lock, alarm management
- Ideal also for applications with reduced mounting depth (only 50mm)
- Increasing temperature display delay
- Neutral zone management
- Compressor relay up to 1,2HP (20A)
- ON/OFF function
- Hot Key connector

2. Front panel

Moving ahead with the standardization process of its devices, Dixell renews the aesthetic of the E-CLASS family. A look that stands out for its elegance and sophisticated details with a wider display for clear and continuous monitoring.



- ✓ 4 keys
- ✓ 2 digits
- ✓ Large display with dedicated icons
- ✓ Red (standard) white and blue display

3. Reduced depth

The E-CLASS CH family, depending on the model, is available in standard or short version (depth 50mm) for OEM applications with reduced mounting depth.

- *XR02CH*
 - *XR03CH*
 - *XR06CH*
 - *XR07CH*
- ▶ SHORT VERSION**

4. Environmental safeguard



Dixell has always given special attention to environmental safeguard and offers solutions designed to meet the market needs using eco-compatible refrigerants such as the propane one.

E-CLASS CH controllers are provided with relays suitable for ATEX applications since they've been tested following the **EN60079-15** regulation.

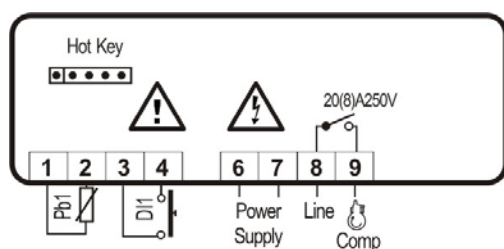
5. Technical features

| | XR02CH | XR03CH | XR06CH | XR07CH |
|----------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Display | ± 2 d.p. | ± 2 d.p. | ± 2 d.p. | ± 2 d.p. |
| Power supply | 110, 230Vac | 110, 230Vac | 110, 230Vac | 110, 230Vac |
| Probe inputs | 1 x NTC | fino a 2 x NTC* | 2 x NTC | 2 x NTC |
| Digital inputs | 1 x configurable | 1 x configurable* | 1 x configurable | 1 x configurable |
| Relay outputs | 20A | 20+8A | 16+8+8A 20+8+5A | 16+8+8+5A |
| External ports | HOT KEY | HOT KEY | HOT KEY | HOT KEY |
| Connections | screw or disconnectable | screw or disconnectable | screw or disconnectable | screw or disconnectable |
| Buzzer | present | present | present | present |

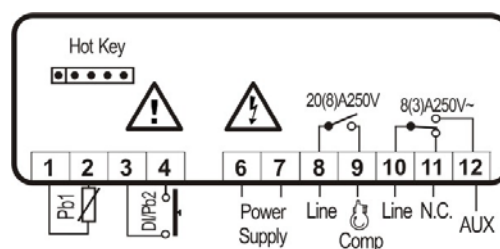
* Up to 2 NTC if the digital input is configured as probe

5.1 Connections

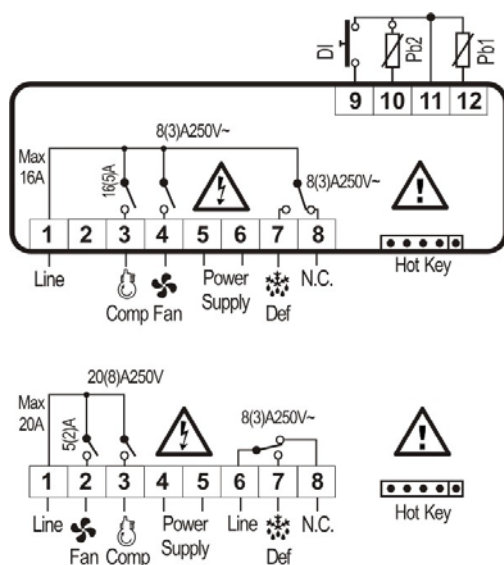
XR02CH



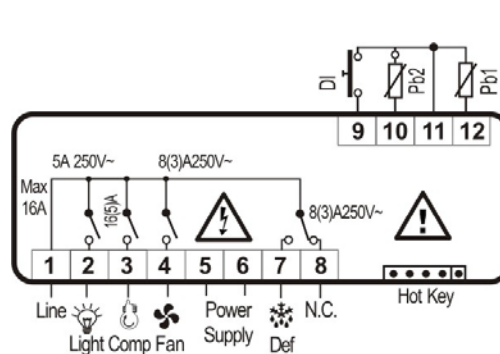
XR03CH



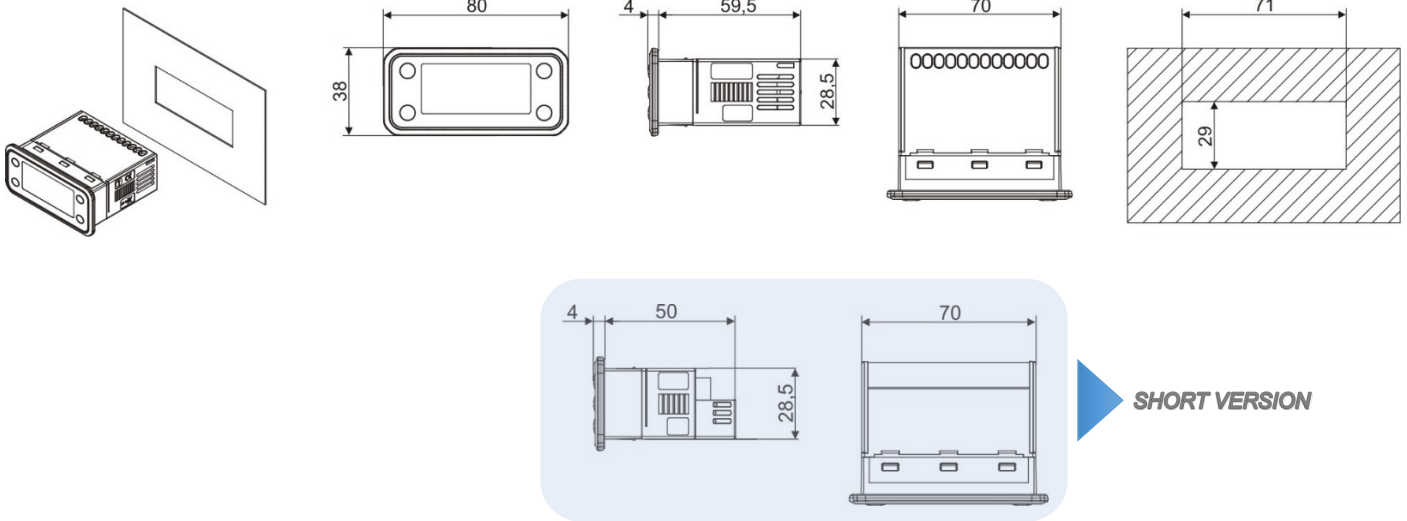
XR06CH





XR07CH



5.2 Dimensions and cut out



6. Main accessories

| | |
|---|---|
|   | <p>MDP/CX (only for version with long case) Plastic protection against dripping on terminal blocks</p> |
|  | <p>HOT KEY Key for a quick and easy parameter update</p> |
|  | <p>WIZMATE PROG-TOOL KIT Programming tool to change in an easy and quick way the device configuration by using the WIZMATE® software</p> |

7. How to order

XR0_CH-ABCDE

| A | | B | | C | | D | | E | | | |
|--------------|--------|---------|-------|-------------------|--------------------|------------------|--|-------------------|-----|--------------------|--|
| Power supply | | Display | | Probe connections | | Measurement unit | | Compressor output | | Load connections | |
| 4 | 110Vac | N | Red | 1 | Screw | C= °C | | 1 | 20A | Screw | |
| 5 | 230Vac | R | Blue | 5 | Disconnectable 90° | F= °F | | 2 | 16A | Screw | |
| | | W | White | | | | | 3 | 16A | Disconnectable 90° | |
| | | | | | | | | U | 20A | Disconnectable 90° | |

8. Prices

Please contact our sales department for prices and further information.

9. Availability and orders

Please contact our sales department for delivery time.