

## UniOP CP02R-04

Compact HMI devices with 9 function keys/numerical keypad and display with 20 characters per line.



- Show up to 4 rows, 20 characters of information
- Monochrome LCD
- Up to 16 user programmable function keys with slide-in legends and LED indicators
- Connection to industrial bus systems and Ethernet with optional modules
- IP65 front panel protection
- Version with extended operating temperature available

### Highlights

The CP02 HMI panels are part of the UniOP family of entry-level products. They support the rich common functionality of the UniOP operator panels:

- Powerful and intuitive programming with the UniOP Designer 6 software
- Support of more than 130 communication drivers for industrial devices
- Optional modules for fieldbus systems (Profibus DP, CANopen, DeviceNet, Interbus) and Ethernet. Ethernet modules allow connection to field devices as well as programming the HMI from Designer.
- Dual-driver communication capability
- Display dynamic data in numerical and text formats
- Recipe data storage. Recipe data can be transferred to a host computer using the Ethernet connection.
- Multilanguage applications. The number of runtime languages is limited only by the available memory. All text information in the application can be exported in Unicode format for easier translation.
- Powerful macro editor to configure touchscreen operation
- Alarms and historical alarm list. Alarm and event information can be printed or transferred to a host computer using the Ethernet connection.
- Eight level password protection.
- Report printing to serial printer. Reports are freely configurable using Designer.
- Ethernet-based UniNet network to share data between UniOP HMIs and to serve data using UniNet OPC Server.

**Technical Data**

|   |  |  |
|---|--|--|
| <b>Display</b><br>Type LCD<br>Rows/columns 4/20<br>Character height 5 mm<br>User definable characters 8<br>Backlight LED 100K hour typ.<br>Contrast regulation software                                     |  | UniNet network<br>Alarms 1024<br>Event list 256<br>Password Yes<br>Hardware RTC Yes, battery backed<br>Screen saver -<br>Battery 3 V 270 mA Lithium, non rechargeable, user replaceable, model CR2430. Replace with same component or equivalent compatible with the operating temperature of the product. |
| <b>Memory</b><br>User memory 512 KB<br>User memory expansion 512 KB   |  | <b>Ratings</b><br>Power supply voltage 18 - 30 VDC<br>Current consumption 0.3 A at 24 VDC<br>Fuse 2A T<br>Weight 1.1 Kg  |
| <b>Front panel</b><br>Function keys 16 with slide-in legends in common with numerical keypad<br>System keys 7<br>User LED's 16<br>System LED's 1  |  |  |
| <b>Interfaces</b><br>PC/Printer port Yes<br>PLC port RS-232, RS-485, RS-422, 20 mA Current Loop<br>Aux port (fieldbus and Ethernet) Yes, with optional modules<br>Serial programming speed 9600 – 38400 bps |  | <b>Environmental Conditions</b><br>Operating temperature 0 to 50 °C<br>Storage temperature -20 to 70 °C<br>Operating and storage humidity 5 – 85 % RH non-condensing<br>Protection class IP65 (front panel)  |
| <b>Functionality</b><br>Graphics -<br>Dual driver capability Yes<br>Recipe memory 16 KB   |  |  |
|   |  | <b>Dimensions</b><br>Faceplate LxH 138x186 mm (5.43x7.32")<br>Cutout AxB 117x176 mm (4.61x6.50")<br>Cutout depth 74 mm (2.92")<br>Max panel thickness 5 mm (0.2")  |

The product is designed for installation in industrial environments in compliance with the regulations:  
 Emitted interference EN 61000-6-4  
 Noise immunity EN 61000-6-2

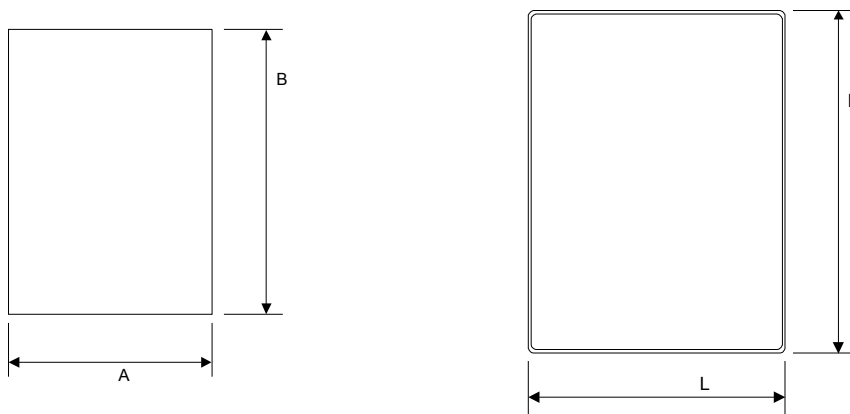


Figure 1 – Cutout and front view

## Ordering Information

CP02R-04-0045

Entry-level HMI with LCD display

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**Tn227**

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