

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

| | |
|----------------------------------|--|
| Display | |
| Type | LCD |
| Rows/columns | 4/20 |
| Character height | 5 mm |
| User definable characters | 8 |
| Backlight | LED 100K hour typ. |
| Contrast regulation | software |
| Memory | |
| User memory | 512 KB |
| User memory expansion | 512 KB |
| Front panel | |
| Function keys | 16 with slide-in legends in common with numerical keypad |
| System keys | 7 |
| User LED's | 16 |
| System LED's | 1 |
| Interfaces | |
| PC/Printer port | Yes |
| PLC port | RS-232, RS-485, RS-422, 20 mA Current Loop |
| Aux port (fieldbus and Ethernet) | Yes, with optional modules |
| Serial programming speed | 9600 – 38400 bps |
| Functionality | |
| Graphics | - |
| Dual driver capability | Yes |
| Recipe memory | 16 KB |

| | |
|---------------------------------|---|
| UniNet network | Client/Server |
| Alarms | 1024 |
| Event list | 256 |
| Password | Yes |
| Hardware RTC | Yes, battery backed |
| Screen saver | - |
| 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. |
| Ratings | |
| Power supply voltage | 18 - 30 VDC |
| Current consumption | 0.3 A at 24 VDC |
| Fuse | 2A T |
| Weight | 1.1 Kg |
| Environmental Conditions | |
| Operating temperature | 0 to 50 °C |
| Storage temperature | -20 to 70 °C |
| Operating and storage humidity | 5 – 85 % RH non-condensing |
| Protection class | IP65 (front panel) |
| Dimensions | |
| Faceplate LxH | 138x186 mm (5.43x7.32") |
| Cutout AxB | 117x176 mm (4.61x6.50") |
| Cutout depth | 74 mm (2.92") |
| 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

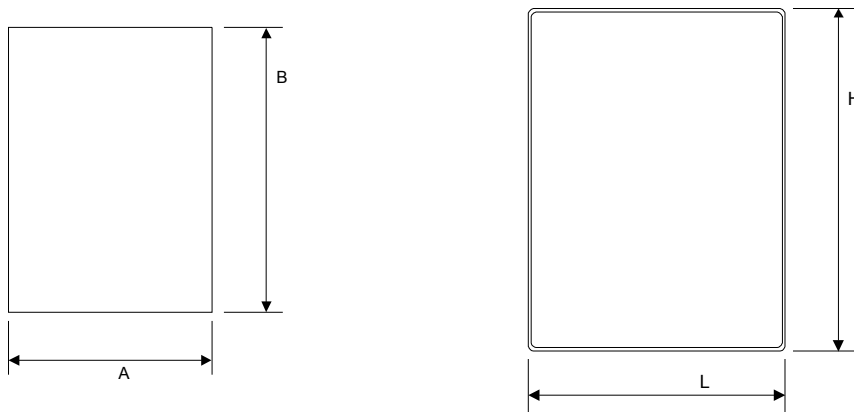


Figure 1 – Cutout and front view

Ordering Information

CP02R-04-0045

Entry-level HMI with LCD display

Tn227

Ver. 1.01

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