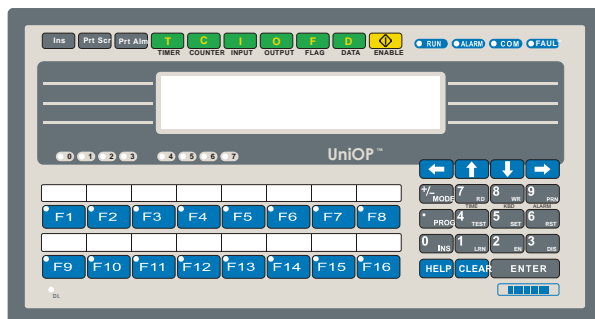


# UniOP MKDR-04

Compact HMI devices with 16 function keys, numerical keypad and 4x40 characters display.



- Monochrome 4x40 LCD Display
- 16 user programmable function keys with slide-in legends
- 24 user programmable LED indicators
- Multilanguage project capability
- Connection to industrial bus systems and Ethernet with optional modules
- IP65 front panel protection

## Highlights

The HMI panels with Monochrome display and keyboard integrated. The products support the rich common functionality of the UniOP operator panels:

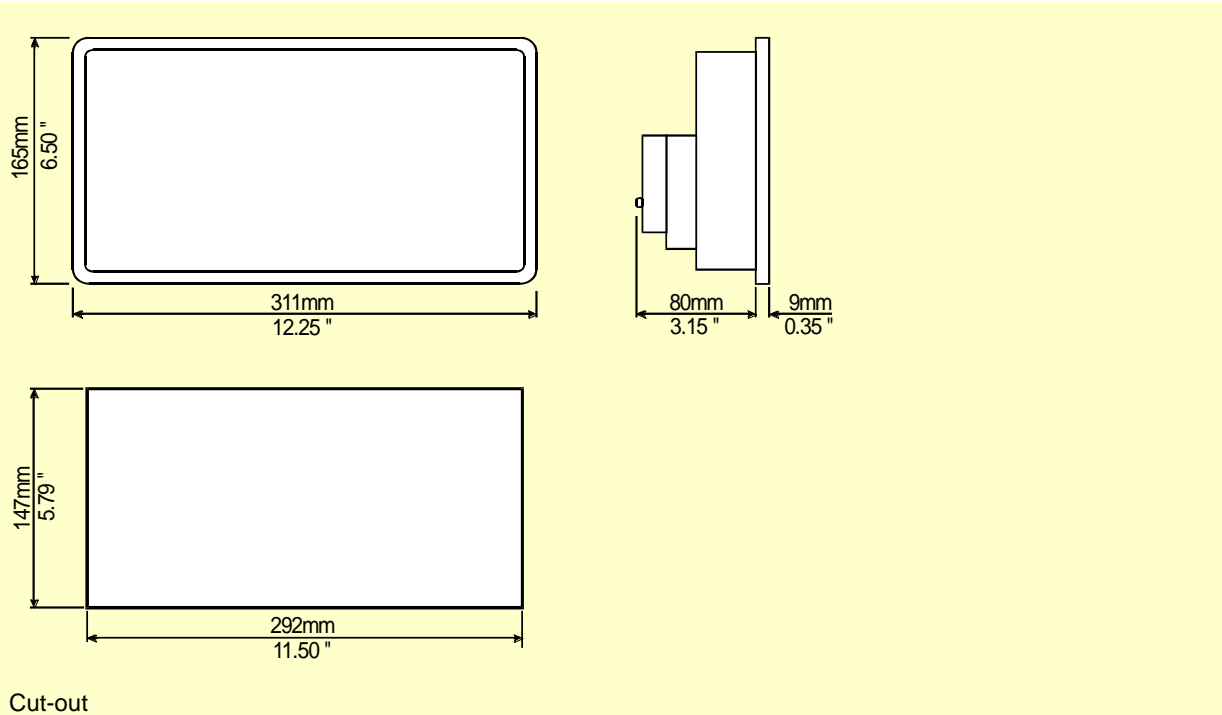
- Powerful and intuitive programming with the UniOP Designer software
- Dual-driver communication capability
- Support of more than 130 communication drivers for industrial devices
- Optional modules for fieldbus systems (Profibus DP, DeviceNet, CANopen, Interbus) and Ethernet
- Display data in numerical, text and bargraph format
- Recipe data storage
- Keyboard macro editor
- Alarms and historical alarm list
- Eight level password protection

## Technical Data

<b>Display</b>		Data acquisition and trends	-
Rows/columns	4x40 characters	UniNet network	Client/Server
Display dimensions	-	Alarms	1024
User definable characters	8	Event list	1024
Contrast regulation	Software	Alarm info page	Yes
<b>Memory</b>		Password	Yes
User memory	512 KB	Multilanguage	Yes
User memory expansion	512 KB	Battery	CR2430 (3V 270mA Lithium), non rechargeable, user replaceable. Replace with same type or equivalent compatible with the operating temperature of the product
<b>Front panel</b>		Hardware RTC	Yes
Function keys	16	Screen saver	-
System keys	29	Buzzer	-
Touch screen	-	Power supply voltage	18 ÷ 30 VDC
User LED's	24	Max power consumption	0.4 A at 24 VDC
System LED's	5	Fuse	2 A (user replaceable)
<b>Connections</b>		Weight	~ 1.9 Kg
PC/Printer port	Yes	Operating temperature	0 ÷ +50 °C
PLC port	RS-232, RS-422, RS-485, CL 20 mA	Storage temperature	-20 ÷ +70 °C
Aux port (fieldbus and Ethernet connection)	Yes, requires optional module	Operating and storage humidity	5 ÷ 85 % RH non-condensing
External keyboard port	Yes	Protection class	IP65 (front panel)
Programming speed	9600 ÷ 38400 bps	<b>Approvals</b>	
<b>Functionality</b>		CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
Number of variables per page	Unlimited		
Dual-driver capability	Yes		
Recipe memory	32 KB		
Recipe Back-up	Yes		

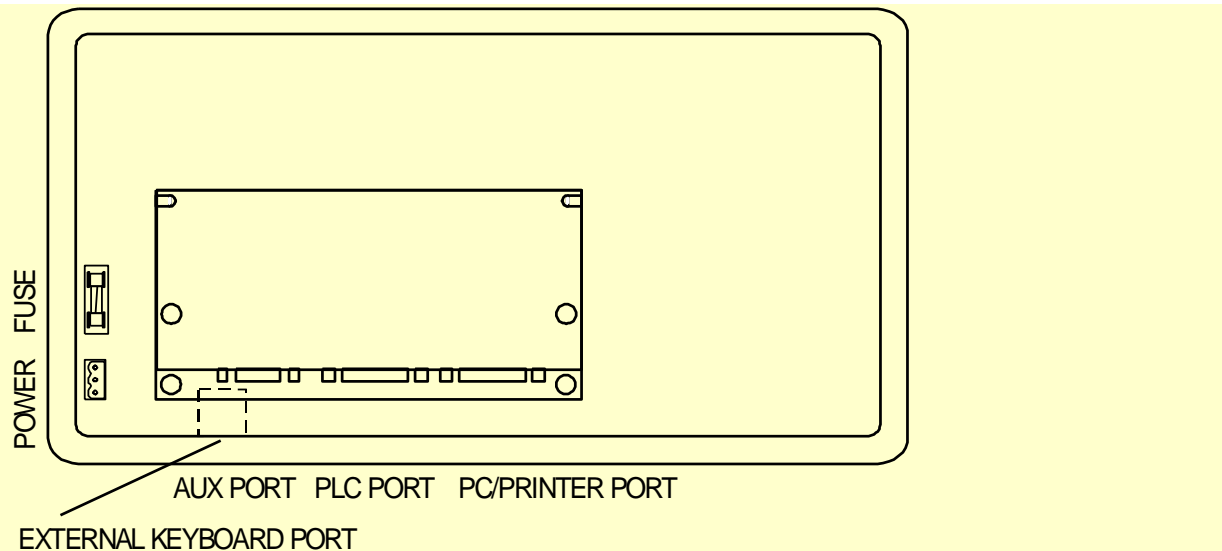
**Front dimensions and cutout**

Faceplate LxH		311x165 mm	12.25x6.50 "
Cutout AxB		292x147 mm	11.50x5.79 "
Cutout depth C			
	-0045	80 mm	3.15 "
Max panel thickness		9 mm	0.35 "



Cut-out

**Connections**



The product is compatible with all standard TCM and SCM modules.  
To access the slot for the modules, remove the rear cover of the product

The backup battery is accessible for replacement after removing the main module of the unit.

The standard programming cable like CA2 or CA114 can be used.

## Ordering Information

MKDR-04-0045	Integrated HMI with 4x40 LCD display
R-PRINT2299	Printable legends (5 A4 foils, 16 sets of legends per foil)

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**Ptn468**

**Ver. 1.0**

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