

UniOP ePAD05 and ePAD06

Compact low-cost HMI with graphic display. The ePAD05 and ePAD06 panels set a new standard for entry-level HMI products, yet with full numeric data entry capabilities. They are the ideal complement for the successful ePAD03 and ePAD04 products.

Highlights

- Monochrome graphic display 120x32 pixels
- Downloadable fonts
- Scalable text
- 9 user programmable function keys with slide-in legends
- 10 user programmable LED indicators
- Dual-driver communication
- Connection to industrial bus systems and Ethernet with optional modules
- IP65 front panel protection



The ePAD05 and ePAD06 HMI panels are compact low cost products yet extremely rich in functionality. 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,
- Scalable fonts for effective presentation of information.
- 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
- Dynamic graphic objects
- Recipe data storage
- Keyboard macro editor
- Alarms and historical alarm list
- Eight level password protection

The ePAD05 and ePAD06 are the ideal solution to scale-down in size and price applications based on less compact and less performing products.



Technical Data

Display Backlight Graphic resolution 120x32 70x21 mm 4x20 Scalable fonts Ves User definable characters 256 Contrast regulation 512 KB User memory User memory expansion User LED's System keys 10 Touch screen User LED's 10 System LED's 4 User LED's System LED'		ePAD05	ePAD06	
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Screen saver -		-		
Buzzer -		10 0	O VIDC	
		18 ÷ 30 VDC		
		0.25 A at 24 VDC		
Fuse Overcurrent protection device	'	Overcurrent protection device		

AUDIN - 8, avenue de la malle - 51370 Saint Brice Courcelles Tel : 03.26.04.20.21 - Fax : 03.26.04.28.20 - Web : http://www.audin.fr - Email : info@audin.fr



Preliminary information

Weight
Operating temperature
Storage temperature
Operating and storage humidity
Protection class

ePAD05

1 Kg

0 ÷ +50 °C

-20 ÷ +70 °C

5 ÷ 85 % RH non-condensing

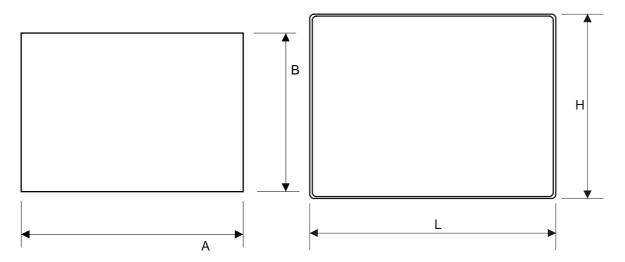
IP65 (front panel)

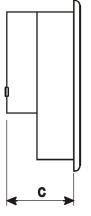
The product is designed for installation in industrial environments in compliance with the regulations:

Emitted interference EN 50081-2, 1993 Noise immunity EN 61000-6-2, 2000

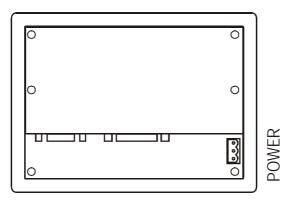
Front Dimensions and Cutout

Faceplate LxH	149x109 mm	5.86"x4.29"
Cutout AxB	136x96 mm	5.35"x3.78"
Cutout depth C	53 mm	2.08"
Max panel thickness	5 mm	0.19"





Connections



AUX PORT PLC PORT

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 in the ePAD05 is accessible for replacement after removing the rear cover.

The standard programming cable CA114 can be used with this product if a 15-pin female-female gender changer is applied on the PLC Port.

Indicators and keypad

There are several dedicated LED indicators on the front panel of the unit. Functionality is described in the table below.

Elements not listed in the table are reserved for future use.

LED	Color	Status	Meaning	
<u>6</u>	red	OFF	No hardware problem detected	
		BLINK	Battery low	
		ON	Hardware fault	
	green	OFF	No key pressed and no touch cell active	
		ON	Key pressed or touch cell active (visual feedback)	
\circ	green	OFF	Hardware fault	
		ON	Unit in operation	
£	green	BLINK	Communication error	
		ON	Communication OK	
\triangle	red	OFF	No alarms	
		BLINK	Alarm requires acknowledgment	
		ON	Alarm active	
↔	green		May be user controlled as LED number 65 using the Macro	
	-		Editor. Turns ON when recipe/event backup is being	
			performed.	

The layout of the front panel is shown in the figure below.





The RDA mapping of LED indicators is shown in the table below.

RDA Bit	LED on Key
L18	1
L19	2
L20	3
L21	4
L22	5
L23	6
L24	7
L24	8
L26	9

The RDA mapping of all keys is standard.

Function keys associated to keys 1 to 9 have a slide-in legend. Legend strips in laser printable form are available as accessories.



Ordering Information

ePAD05-0046 Compact low-cost HMI with gra	phic display and Real Time Clock
ePAD06-0046 Compact low-cost HMI with gra	phic display
R-PRINT3148 Printable legends (5 A4 foils, n s	ets of legends per foil)

Tn193

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