

## ASI Controls

## Universal Operator Panel

### ePAD04 Display Features

- LCD Graphic Display  
120x32 pixels.
- ASIC/2 driver supports  
ASIC/2 and SINC/3 product  
families
- ASIC/1 driver supports  
ASIC/1 product families.
- Data display in numerical,  
text and bargraph format
- RS-232 or RS-485  
Communication with gapping
- No programming needed.  
Intuitive Designer software.
- Alarms and historical alarm  
list
- Eight passwords for  
protection

The ASI/Exor Universal Operator Panel, ePAD04, is a cost effective Human Machine Interface for the ASI Controllers. It allows the display controller status, the modification of setpoints and schedules, intervention in controller operation via overrides, and to annunciate and acknowledge alarms.

A bright LCD display with backlight provides clear visual indication. A membrane keypad provides an attractive yet resilient means of data entry in a variety of environments.

The ASIC/2 driver supports ASIC/2 and SINC/3 controller products. The ePAD04 interacts with the ASIC/2-7040 or ASIC/2-8040 on the system or local bus at 9600 baud. Gapping allows coexistence with communication with other controllers and/or the building management software. The ASIC/1 driver supports ASIC/1 controller products.

The ePAD04 is configured using powerful and intuitive Designer software with the ASIC/2 driver. Data from one or more controllers can be placed on a series of screens. The choice of data to be displayed is made at the time the ePAD04 is configured. The configuration is kept in non-volatile memory so that it does not lose program data during power interruption.

The ePAD04 is page based. The operator can select one of its pages. Data is accessed by scrolling up or down the page. The page structure allows rapid access to data. Numeric data can be scaled, or used to display one of a list of messages. Binary data can display different on and off labels. Controller labels such as Description, and Input, Output, and Schedule Names can be displayed as strings.

Display items can be read/write. Pressing a function key places the panel in download mode. You can move to and select the downloadable item you wish

to change, and then use the arrow keys to change the value. Pressing return sends the value to the controller. Up to 8 passwords can be configured to allow access or download to a range of pages, so that users can see or change only needed information.





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### Specifications

#### Display

Graphic Display: LCD, Monochrome  
 Backlight LCD  
 Graphic resolution 120x32 pixels  
 Active area 70x21 mm  
 Rows/columns 4x20  
 Scalable fonts Yes  
 User definable characters 256  
 Contrast regulation Software

#### Memory

User memory 512 KB  
 Function keys 4, with slide-in legend  
 System keys 7, Up, Down, Left, Right, Return, Cancel, User  
 LED's 4 Function, 1 User, 4 System

#### Connections

PLC port RS-232, RS-485  
 Programming speed 9600 bps

#### Power

Supply voltage 18 - 30 Vdc  
 Max power consumption 250 mA @24 Vdc  
 Fuse Overcurrent protection device

#### Features

Dual-driver capability Yes  
 Alarms 1024  
 Alarm info page Yes  
 Password Yes, 8 levels

#### Physical

Weight  
 Operating temperature 0 to +50 °C  
 Storage temperature -20 to +70 °C  
 Operating and storage humidity 5 to 85 % RH non-condensing

#### Compliance

CE Emitted interference EN 50081-2, 1993  
 CE Noise immunity EN 61000-6-2, 2000  
 UL Recognized Component File E183499  
 NWGQ2, Information Technology Equipment

#### 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")

#### Cables

RS-232 Communication DB-15S(F) to DB-9P(M)  
 RS-485 Communication DB-15S(F) to Block  
 RS-232 Programming DB-15S(F) to DB-9S(F)

LEDs	Color	Status	Meaning
FAULT KEY	red	OFF	No hardware problem detected
		ON	Hardware fault
	green	OFF	No key pressed
		ON	Key pressed (visual feedback)
HDW	green	OFF	Hardware fault
		ON	Unit in operation
COM	green	BLINK	Communication error
		ON	Communication OK
Alarms	red	OFF	No alarms
		BLINK	Alarm requires acknowledgment
		ON	Alarm active
USER	green		User controlled LED .

How to Order:	Order Number
ASI Exor Universal Operator Panel	ePAD04

Accessories:	Order Number
Power Supply 24 Vac to 24 Vdc	ASI/PS1.5
ePAD Communication Cable	ePAD Comm Cable
ePAD Programming Cable	ePAD Prog Cable

Software is supplied by download from website, or on CD-ROM by request.

