

# eTOUCH - Industrial PLC Workstation

## UniOP™ - Universal Operator Panel Family



- 10.4" Diagonal Graphic Display
- Available in TFT or STN
- VGA (640 x 480 pixels) Resolution
- Resistive Touch Screen
- Connection to Ethernet & Bus Systems
- Compatible with HMIControl & Local I/O
- Recipe and Trend Capabilities
- UniNET Networking Capabilities
- NEMA 4/12 Compliant Enclosure

**The eTOP30 and eTOP31 are state-of-the-art HMI devices with a touch screen interface and a 10.4" diagonal graphic display.** Available in TFT (active matrix) or STN (passive color), each model is capable of showing up to 30 lines of information per page, with a maximum of 80 characters per line. Every eTOP is programmed with the powerful yet intuitive Designer software package, which includes such features as data display and data entry, alarms, password protection, the ability to define macros, recipe data storage, trending, UniNET networking and many others.

### Display Variables

Variable data from the PLC can be shown on any of the numerous display pages. The number of variables that can be displayed at one time on the eTOP is limited only by the display size. Variables can be represented in a variety of ways, including numeric fields, message fields, bar graphs, analog gauges and trends.

### Data Entry

Editing values on an eTOP couldn't be easier. To change the value of an editable field, simply touch the field! Doing so will bring up a keypad, allowing the user to change the value. Once the value is modified, a range verification check will be performed to ensure it is within acceptable min/max limits (defined by the programmer) before it is written to the PLC. It is also possible to define touch cells (as small as a single character or as large as the entire screen!) to directly write value to the PLC.

### Alarms

The eTOPs can monitor and display up to 1024 alarms. Attributes and unique messages for each alarm can be defined. Operator acknowledgment can also be required. The last 1024 alarm events detected are retained in an internal event list. This list can be viewed on screen or printed on a serial printer to obtain a permanent record.

### Security

An eight-level password protection scheme protects critical system features from undesired access.

### Adaptability

Custom screens are developed using the UniOP Designer™ for Windows™ programming software. The completed project file can be downloaded to the display through the serial port and permanently stored in a flash memory card.

### Graphic Capabilities

All of the eTOPs allow you to display bitmap graphics. These bitmap graphics can be created with any Windows™ based software package capable of BMP format or they can be imported from a file.

### Macro Editor

A feature that allows you to configure your touch cells to do a variety of functions locally in the HMI. For example:

turning pages, setting attributes, setting LEDs, writing to the PLC, going to the alarm list, uploading or downloading a recipe set and many more. This can save many hours of ladder logic programming.

## Recipes

This feature allows you to create a recipe with up to 255 parameter sets for each page of the project file. The eTOPs have a total of 32K reserved for recipe storage. You can upload or download a parameter set from or to the PLC. Once a parameter set has been downloaded to the PLC, the data contained within the parameter set can be modified.

## UniNET Network

The UniNET network allows you to design networks of varying configurations; from two panels with one PLC to multiple panels with multiple PLCs. Data can be written to or retrieved from the PLCs in many different locations at one time. The UniNET network creates a bridge between UniOP panels, which allows data to be shared by all PLCs in the network, regardless of the type or manufacturer.

## Important Features

- NEMA 4/12 compliant enclosure
- CE approved
- UL Recognized (U.S.A. and Canada)
- Real Time Clock with Battery Back-Up
- 8 MB Flash Card, Expandable to 16 MB
- One RS-232 / RS-422 / RS-485 / 20mA current loop serial port, speeds up to 38,400 baud for direct PLC connection
- One RS-232 port for PC or printer communications
- Scalable fonts
- One auxiliary port for Ethernet or high speed bus network communications (for example, DeviceNet, Profibus, etc.)
- Multiple languages within one project file
- Macro Editor
- Recipe Capable
- Unlimited number of variables per page
- 1024 prioritized alarms
- Historical event list (1024 events)
- Eight-level password protection
- Print reports, alarm list and event list to serial printer

## Specifications

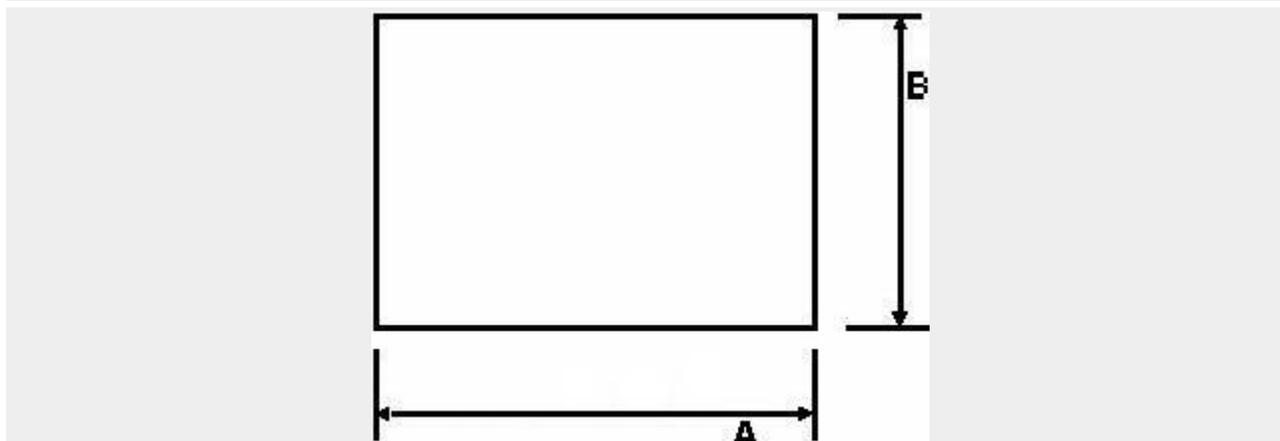
Physical Dimensions	
Cutout Width and Height	See drawing below
Cutout Depth	91 mm (3.58")
Front Panel Thickness (max.)	5 mm (0.20")
Faceplate height	232 mm (9.14")
Faceplate Width	287 mm (11.30")
Weight	2.25 kg (4.96 lb)
Environment	
Operating Temperature	0 to 45°C (32 to 113°F)
Humidity	0 to 95% RH (non-condensing)
Power Requirements	~700 mA max., 24 VDC
Display	
Graphic Resolution	640x480 pixels
Active Display Area	218x159 mm (10.4" diagonal)
Rows/Columns	30x80
Scalable Fonts	Yes
User Definable Characters	256
Types	TFT, STN
Touchscreen	
Technology	Resistive (tested 3M times)
Matrix Size	30x80
Warranty	

All products are warranted for one year against defects in material and workmanship.

### Ordering Information

Description	Part No.
STN	eTOP31
TFT	eTOP30

### Panel Cutout Dimensions



**Cutout AxB 276 x 221 mm or 10.87" x 8.70"**

*Specifications subject to change without notice*

