

Model 950 Graphical PLC Interface

A Graphic and Intelligent Interface for PLC Applications

Eason Technology's Model 950 Intelligent Graphic PLC Interface is a high-end, versatile, and rugged Operator Interface for all PLC based applications. Mounting, operating, and programming the Model 950 are all simple procedures. Simplicity means shorter development times in all applications, which leads to lower engineering costs, and a quicker time to market for OEMs.

One of the most important criteria for any operator interface is how operator "friendly" it is. The Model 950 uses a state-of-the-art black-on-white display for bright, crisp contrast. The 950's cold cathode back-lighting provides clear viewing in all lighting conditions. This display makes it easy for the operator to see all 8 lines by 40 characters of text and graphics (bar graphs, line graphs, large character sizes, and bitmaps) for monitoring process variables. The Model 950's full travel keypad means data entry is easy and sure.

Setting up the interface is simple using the OIBuild® configuration package for Windows™.

PLC Interfaces:

- Allen-Bradley PLC-5™
- Allen-Bradley SLC-500™
- Aromat FP Series
- GE® Series 90™
- IDEC FA Series
- IDEC Micro 3
- Keyence KV Series
- Mitsubishi FX & FXo
- Modicon Modbus™
- Omron Host Link™
- Siemens SIMATIC® TI305/405™
- Siemens S5
- Square D SYMAX & Model 50
- Koyo PLC Direct



Model 950 Features & Benefits

Graphics	Display data in easy to read forms: <ul style="list-style-type: none">• Bar graphs• Line graphs• Bitmaps
Three character sizes	Make attention getting display screens
8 line by 40 character display	Allows a large amount of data to be displayed on one screen
Black-on-white display with CFT backlight	Superior visibility in all lighting conditions
Full travel keypad	Better tactile feel and longer life than membrane keys
Rugged cast aluminum NEMA 4 front panel	Withstands even the harshest environments
On-screen function key labels	Significant menuing flexibility
OIBuild® configuration software	Easy, yet powerful Windows™ software makes setting up the 950 a snap.
Downloadable PLC protocols	PLC specific ordering is not required. You download the protocol you need from OIBuild.

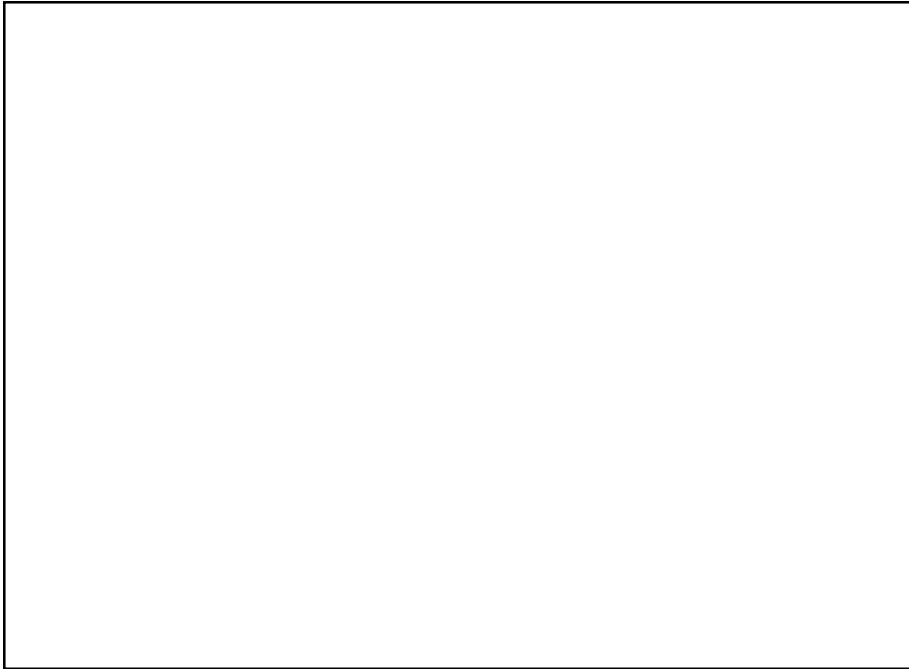
EASON®
TECHNOLOGY

We Deliver Productivity

An Intelligent Operator Interface...

The Model 950: The Graphical Operator Interface for PLC Applications

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OIBuild® for Windows

OIBuild is Eason's configuration software package developed to program the Model 950 in a Windows™ environment. Write one program with OIBuild and use it with any PLC the Model 950 supports. Significant flexibility is achieved while maintaining ease of use. OIBuild allows the user to write custom programs graphically with:

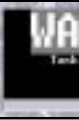
- Trend charts & Bar graphs
- Bitmaps
- Data screens
- Alarm screens
- Password screens
- Alarm logging screen
- Recipe storage

Recipe



Select n
edit, or
recipes
elemen

Alarm



Flexible
Return n
another

OIBuild® Features

Combined data entry & data display screens	Enter data into the PLC registers while the value of other registers are being displayed.
Use the PLC to control the 950's screens	Program control can either be handled by the operator or the PLC.
Print program information	Print a summary of each screen in your program. Print to a printer or to a text file.
Screen name flexibility	Screen name can be up to sixteen characters long. Symbols may be used as well.
Alarm logging screens	Alarm events can be recorded for posterity. With the Clock option, the data will be time stamped as well.

OIBuild® is Easy to Use

Feature:	Benefit:
Windows Program	Familiar simple on scre
Simulated 950 display	See ho develo
"Flat" architecture	Most o screen deep t
PLC Specific	OIBuild the PL PLC, y



We Deliver Productivity

Software

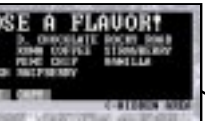
WINDOWS™

Data Screens



Display text, bitmaps, bar charts, line graphs. Enter and display data from registers in the PLC.

Screens



Recipes to load, copy. Up to 12 of up to 25 items

Alarm Screen



alarm system. to operation or to screen

Alarm Logging Screen



Record alarm events for posterity. Time stamp data with CLK option.

The main screenshot shows the OIBuild software interface. At the top is a menu bar with 'File', 'Edit', 'Setup', 'Screens', and 'Help'. Below the menu is a toolbar with various icons for file operations and editing. The main window displays a simulated screen titled 'TANK BATCH=D. CHOC.' with two vertical tanks, a flow rate graph, and several data fields. On the left is a 'Screen List' with a tree view of screens like '@Private', 'begin', 'choose', etc. Below the main window are configuration panels for 'Screen Type', 'Screen Name', 'Update Rate', 'Screen Number', 'Softkey', and 'Change Register or Contact'. A 'Registers...' button is highlighted with a yellow box.

Toolbar for easy access to commonly used functions.

Simulated Model 950 screen. See how your screens will look as you create them.

Register tips give you information about which registers or bits are tied to data displayed as line graphs, bar graphs, text, or numeric data.

All parameters associated with the item currently selected are detailed here.

Access to alarm masking

Access to register/bit & tag setup

Password Screens



Ensure security by placing password screens before critical screens.

Pushbuttons for adding items to your current screen

The diagram shows a grid of pushbuttons used for adding items to a screen. The buttons are arranged in two rows and four columns. The labels for each button are: 'Add static text' (top-left), 'Add static box' (top-middle-left), 'Add static line' (top-middle-right), 'Insert bit map' (top-right), 'Enter & display PLC data field' (bottom-left), 'Add bar graph' (bottom-middle-left), 'Add line graph' (bottom-middle-right), and 'Add softkey' (bottom-right).

For interface, drag and drop capability, and graphics can be viewed on screen.

How your screens look as you develop them.

Configuration is done on one screen. No need to go several menus to add or change parameters.

Tag refers to PLC data in terms of registers. If you know your PLC you are using. If you know your PLC you know OIBuild.

Specifications

Memory 64K Flash ROM standard and 64K RAM standard

Communications

1-RS232C port for programming and 1 RS-232C port for communications to RS-232C based PLCs, RS422 standard for RS422 based PLC protocols

Display

High contrast paper white with graphics capability. Backlight: bright cold cathode fluorescent back light. Size: 8 lines by 40 characters. Characters: 5x8 dot matrix; 0.095" x 0.15" (2.4mm x 3.84 mm)

Power

10-30 VDC (7.5W typ.)

Environment

32 to 122°F (0 to 50°C) 5% to 95% relative humidity (non-condensing) NEMA 4/12 (IP65) rated when panel mounted

Weight

4.0 lbs (1.8 kg)

Mounting

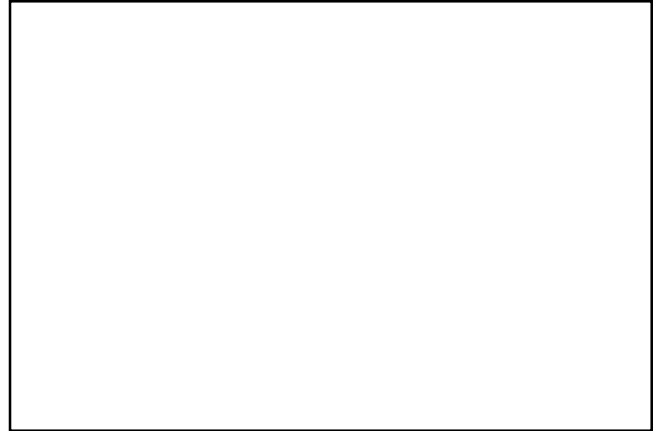
Panel mount or door mount 8.5" x 8.5" x 2.44" deep. Rugged cast front housing.

Optional Heater

Extends temperature range to -5°F (-20°C). When using -HTR Option, the Model 950 must be powered with 24 VDC (12W typ.)

Optional Clock

Real Time Clock; Battery-backed, Day/Date/Time



How to Order

Model 950-HTR-CLK

Clock: (Optional)
CLK Battery-backed real time clock; Day/Date/Time

Heater: (Optional)
HTR Extends temp. range to -20° C

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