

# Model 1000 Intelligent Operator Interface

## An Intelligent Operator Interface Ideal for Communication to Multiple Serial Devices.

The Model 1000 Intelligent Operator Interface is ideally suited for applications that require operator input, operator prompting, process monitoring, and serial communication to other controls or process equipment. The ability to communicate to multiple serial devices such as a PLC and a motion controller simultaneously make the Model 1000 a powerful solution for OEMs and integrators.

The Model 1000 features an 8 line by 40 character black on white cold cathode display providing clear viewing in all lighting conditions. The full travel keypad makes data entry easy and dependable. The 1000's rugged housing meets NEMA 4/12 (IP-65) requirements making it ideal for harsh factory environments.

The Model 1000 has all the computing power using Basic programming. Any Model 1100 program that does not deal with I/O options or more than 8 I/O bits will run identically on the Model 1000.



### How to Order

#### Model 1000-PLC-CLK-HTR

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

Clock: (Optional)  
CLK Batter-backed real time clock

PLC Interfaces (Optional)  
See PLC Interfaces

### PLC Interfaces:

- Allen Bradley SLC-500™
- Allen Bradley PLC-5™
- Aromat FP Series
- GE® Series 90™
- GE® Series 1™
- SIMATIC® TI505™
- SIMATIC® TI305™/TI405™
- Omron
- Square D Model 50
- Square D SYMAX
- IDEC FA Series
- Keyance KV Series
- Koyo PLC Direct

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# Standard Features

<b>Memory</b>	32K bytes battery backed RAM standard, up to 128 K bytes optional
<b>Communications</b>	2- RS-232C ports, Xon-Xoff capability (one configurable as RS422 or RS485)
<b>I/O</b>	8 bit parallel I/O; optically isolated - 0.5 to +30V input, pulled up to +5V by 22K resistor, opn collector output, sink 30mA, industry standard PB-8 compatible
<b>Keyboard Connector</b>	IBM-PC XT compatible
<b>Display</b>	High contrast paper white with graphics capability. Backlight: bright cold cathode flourescent back light. Size: 8 lines by 40 characters. Characters: 5x8 dot matrix; 0.095" x 0.15" (2.4mm x 3.84 mm)
<b>Power</b>	9-30 VDC (7.5W typ.)
<b>Environment</b>	32 to 122°F (0 to 50°C) 5% to 95% relative humidity (non-condensing) Designed to NEMA 4 water tight and NEMA 12 dust tight specifications.
<b>Weight</b>	4.0 lbs (1.8 kg)
<b>Mounting</b>	Panel mount or door mount 8.5" x 8.5" x2.44" deep. Rugged cast front housing.
<b>Optional Heater</b>	Extends temperature range to -5°F (-20°C)

## COM1/COM2 Serial Port Connectors:

DB-9 style, male

Pin   Function

2	RS-232 receive (input)
3	RS-232 transmit (output)
5	Signal ground

## DC Power/RS-422/RS-485 Connector

Removable 8-pin screw terminal connector

Pin   Function

1	Power DC-
2	Power DC+
3	RS-422/RS-485 Gnd
4	RxB
5	RxA
6	TxB
7	TxA
8	Shield

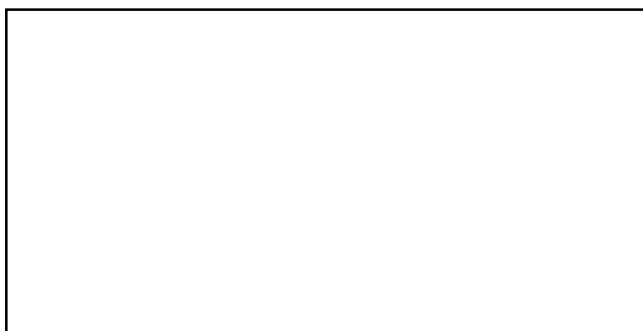
## I/O Connector

20-pin ribbon cable, compatible with industry standard PB-8 boards

Pin   Function

19	+5V (100 mA load max)
17	I/O 0
15	I/O 1
13	I/O 2
11	I/O 3
9	I/O 4
7	I/O 5
5	I/O 6
3	I/O 7
1	Not connected

Even pins are logic ground



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