

Model 1100 Intelligent Operator Interface

Complete Control from One Compact Operator Interface

The Model 1100 provides user interface for virtually any controller or computer which needs an easy-to-use, intelligent operator interface. Stepping and servo motor controllers, PLCs, and process controllers are a perfect match for the Model 1100.

In many applications, the Model 1100 has the intelligence and I/O (analog and digital) to handle both the man-machine interface and the required machine or process control.

The Model 1100 can be a cost-effective replacement for applications which utilize costly industrial computers. The 1100's small, rugged package is designed to withstand tough factory environments.

Options:

- Memory Options 32-128K
- Real Time Clock: Time & Date
- Analog I/O: 2 D/A or 8 A/D & 2 D/A
- Dual Quadrature Counter
- 48 Points Digital (parallel) I/O

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



How to Order

Model Number (Standard configuration shown):

Model 1100-M01-C00-A00-D00-PLC-CLK

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

PLC Interfaces: (Optional)
See PLC Interfaces

***Digital I/O Option Modules:**
D00 Standard internal 24 I/O only
D48 48 additional I/O

***Analog I/O Option Modules:**
A00 no analog interfaces
A02 2-channel 12 bit D/A converter
A03 8-channel 12 bit A/D converter

***Counter Option Modules:**
C00 no counter interface
C02 2-channel quadrature counter

Memory:
M01 32K of battery-backed memory (standard)
M02 64K of batter-backed memory
M03 128K of battery-backed memory



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*Note: Two of any type option module can be installed in a Model 1100

Specifications

Memory	32K bytes battery backed RAM standard, up to 128 K bytes optional
Communications	2 serial ports; RS-232/RS-422/RS-485; Xon - Xoff handshaking capabilities
I/O	24 bit parallel I/O; optically isolated - 0.5 to +30V input, pulled up to +5V by 22K resistor, open collector output, sink 30mA, industry standard PB-24 compatible
Printer Port	Parallel, IBM-PC compatible
Keyboard Connector	IBM-PC XT compatible
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)
Keyboard	30 large, full-travel keys, rubber elastomer type <ul style="list-style-type: none">• 9 programmable function keys• Cursor, insert, delete, alpha, and print keys• Context sensitive HELP function key available
Power	95-145 VAC; 50-60 Hz (10W max); 240 VAC available
Environment	32 to 122°F (0 to 50°C) 5% to 95% relative humidity (non-condensing); NEMA 4/12 (IP65) rated
Weight	5.73 lbs (2.6 kg)
Mounting	Panel mount or door mount 8.5" x 8.5" x 3.15" deep. Rugged cast front housing.

- Option Modules**
- Analog:**
2-channel, 12 bit D/A converter (Option A02)
8-channel, 12 bit A/D converter and 2-channel, 12 bit D/A converter (Option A03)
- Differential or single ended inputs/ outputs
 - Optically isolated, highly noise tolerant inputs
 - Software selectable gains and input ranges
- Counter Module:**
2 channel counter (Option C02)
- Quadrature encoder counter, 1 MHz input with gate
 - Configurable as step/direction, up/down
- Digital:**
48 digital I/O points (Option D48)
- Same specs as internal 24 I/O
- Real Time Clock:**
- Battery-backed, Day/Date/Time



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