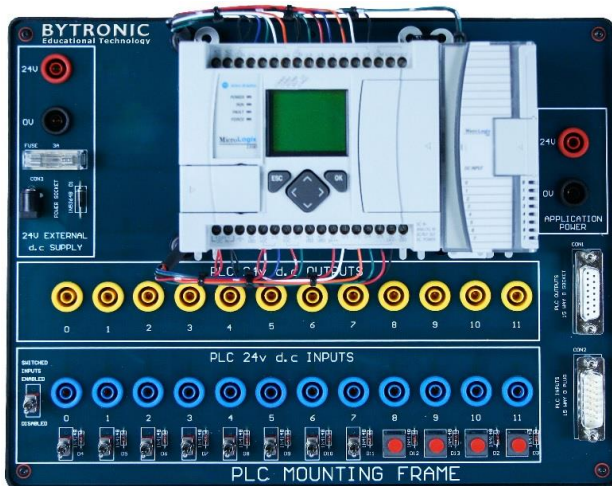


## PLCA1F – Allen Bradley MicroLogix 1100 PLC



*Picture is a representation and PLC fitted may vary*

### Key Features:

- 24V dc digital and Analogue I/O
- Enables students to test and debug control programs
- Colour coded 4mm terminals
- Easy connection to application via 'D' connectors
- Switched input
- 18 dc inputs and 6 dc outputs

The Allen Bradley MicroLogix 1100 PLC is mounted on a pre-wired frame that facilitates easy connection.

The mounting frame gives access to the PLCs I/O capabilities providing an effective means for the student to test and debug their program prior to connecting to the application. All inputs and outputs are accessed via colour coded safety sockets (4 mm) and 'D' type connectors. There are connections provided for 12 inputs and 12 outputs. Simulation of inputs is provided by both toggle and momentary switches. The 'D' type connectors also allow easy connection to other Bytronic products.

### Specification

I/O Capabilities	18 x dc inputs 6 x dc outputs
Memory Type	Battery-backed RAM memory
Memory	8K
Operating Temperature	-20°C to 65°C (-4..149°F)
Storage Temperature	-4°C to 85°C (-40°F to 185°F)
Humidity	5 to 95% without condensation
Vibration	10...500Hz, 5g, 0.015in. max peak-to-peak (Relay Operation: 1.5g)
Shock	Operating: 30Gs
Inputs	10 x 25V DC – 2x0-10V DC Analog 8 Point 24 VDC Sink/Source Input additional Module
Outputs	2 x Relay 2 x 24V DC FET 2 x Fast 25V DC FET
Additional Module	8 – Point Sink/Source 24V DC Input Module
Line Voltage	24V DC
Power Consumption	6...30W
Power Supply Inrush Current Max	24V DC 15A for 20ms
Trim Potentiometers	Two Digital
PID	Yes
High Speed Counter	Embedded: one @40kHz

Real Time Clock	Yes
Motion: Pulse Train Outputs	2 @ 40kHz
Motion: Pulse Width Modulated	2 @ 40kHz
Data Access Tool	Yes
Data Logging	128KB
Recipe Storage	Uses up to 64KB data logging memory
Floating Point Math	Yes
Programming Communication Interface	Windows RSLogix 500; RSLogix Micro Ethernet Port and Isolated RS-232/RS-485 combo port

#### **Mounting Frame (MF1)**

Mounting Frame Type	PCB Mounted in a durable plastic box
Connectors	15 pin 'D' socket for outputs, 15 pin 'D' plug for inputs 4mm terminals
Input Switches	8 x toggle 4 x momentary push
Power Supply	24V DC fused
Dimensions	290 x 230 x 90mm

#### **Ordering Information**

<b>Model Number:</b>	<b>PLCA1F</b>
<i>Consists of:</i>	1 x Allen Bradley MicroLogix 1100 PLC on Pre-wired PCB Mounting Frame 1 x Development Plug 1 x User Manual

#### *Notes.*

- 1. Specification is subject to change without notice.*
- 2. All dimensions are in mm unless otherwise stated*

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