

Pico™ Controller

Product Profile

Is it a PLC, or is it a smart relay? The Allen-Bradley Pico controller performs simple logic, timing, counting, and real-time clock operations. Splitting the difference between a timing relay and a low-end PLC, the Pico is ideal for relay replacement applications, simple control applications such as building and parking lot lighting, and applications in which cost is a primary design issue.

The Pico was designed with ease-of-use in mind. Pico can be programmed without any special software. All programming and data adjustments can be done via the on-board keypad and LCD display.

And it's flexible. Pico can be either DIN-rail or panel mounted, depending upon the needs of your application. Pico is available, too, in 120V/240V ac and 24V dc versions — all with large 8A relay outputs to drive a wide range of electrical components. And the dc-powered Pico controllers have two inputs that can be used as either dc digital inputs or 0-10V analog inputs, giving you the flexibility to work with a wide variety of input signals.

Smaller, simpler applications now require controls with some intelligence. Smart devices continue to replace relays, and controllers continue to become smaller. When looking for a small, inexpensive control solution, look to the Allen-Bradley Pico controller.



Key Features and Benefits:

- No programming software is required¹ — use the on-board LCD display and keypad for all programming and data changes
- Small size — smaller than many relays, saving panel space and system cost
- Simplicity — Performs basic PLC functions, such as logic, timers and counters. Almost anybody can write simple programs or make data adjustments.
- Real-time Clock
- Analog inputs for DC controllers
- High Current Relay Outputs can eliminate interposing relays — reduced panel space and system cost

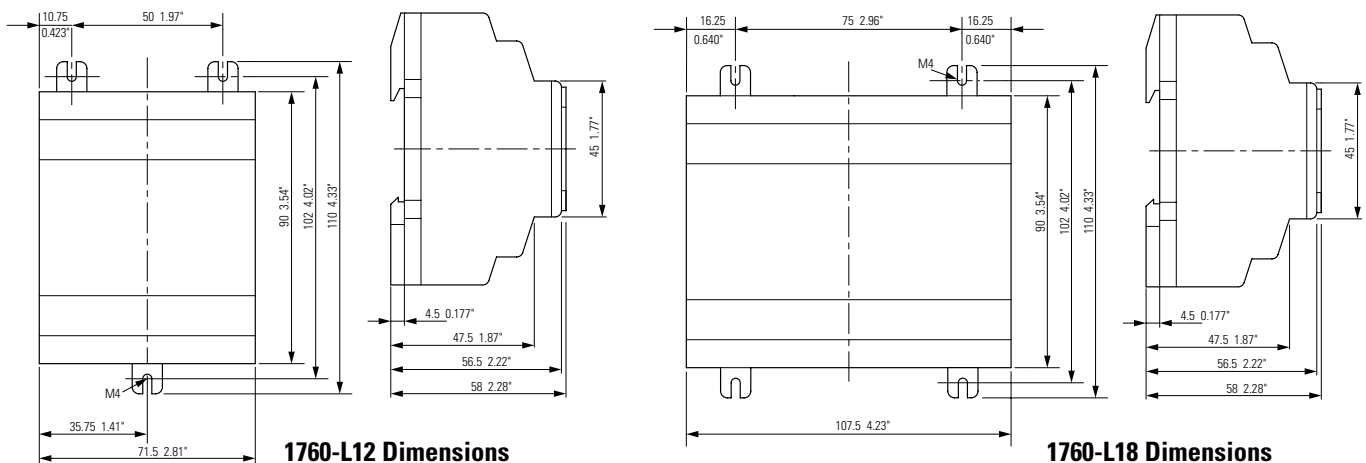
¹ Offline Windows®-based programming software (1760-PICOSOFT) is available at no charge at <http://www.ab.com/pico>.

Technical Data

Weight	1760-L12xxx = 7 oz. (200 g) 1760-L18AWA = 10.6 oz. (300 g)
Ambient Temperature (operation)	-25°C to +55°C (-13°F to +131°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	5% to 95%, non-condensing
Standards and regulations Approvals	UL, CSA, CE

Pico Models

Specification	1760-		1760-			1760-L18AWA
	-L12BWB-NC	-L12BWB	-L12AWA-NC	-L12AWA	-L12AWA-ND	
Power Supply	24V dc	24V dc	120/240V ac	120/240V ac	120/240V ac	120/240V ac
Digital Inputs	(8) 24V dc (2 can also be used as 0 to 10V analog inputs)	(8) 24V dc (2 can also be used as 0 to 10V analog inputs)	(8) 120/240V ac	(8) 120/240V ac	(8) 120/240V ac	(12) 120/240V ac
Relay Outputs	4	4	4	4	4	6
LCD Display	X	X	X	X	—	X
Keypad	X	X	X	X	—	X
Real Time Clock	—	X	—	X	X	X
Text Display Feature	—	—	—	—	—	X
Retentive Data	X	X	—	—	—	X
Accessories						
Software	PicoSoft Version 2.1 for Windows 95/98, Windows NT					
PC to Pico interface cable	Pico 1760-CBL-PM02					
Memory Module	Pico 1760-MM1					Pico 1760-MM2
Input/Output Simulator	Pico 1760-SIM		—	—	—	—
Documentation	Getting Results (1760-GR001A-EN-P), User Manual (1760-UM001A-EN-P)					



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