

α2 SERIES

Advanced Tiny Giants

Innovation of equipment controllers serves an expanded field of applications.



Main features

■Enhanced program capacity

A maximum of 200 Function Blocks (5000bytes) creates improved program complexity for varied application control. New arithmetic, telecommunications and many more Function Blocks have been added for user suitability.

■Improved visual function

The combination of the increased LCD screen size (12 Character by 4 lines) and embedded backlight allows the user to represent graphical data in real time. A series of message screens configured by the Control Display Manager, using a combination of Display Function Blocks, provides the user with an operation guide for the controller.

■Remote communication

SMS (Short Message Service) packets can be sent to either a mobile handy phone or an email account via a GSM interface with a standard telecommunications service provider.

■Enhanced analog control and high speed counter

The embedded 8-channel analog inputs with 0 to 10V of 20mV resolution and the PWM command provide high performance analog controls.

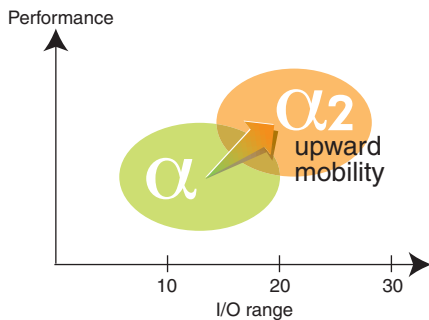
A standard terminal input allows a pulse train of 20Hz and with an extension module a maximum of 1KHz can be counted.

■Wide operation temperature range

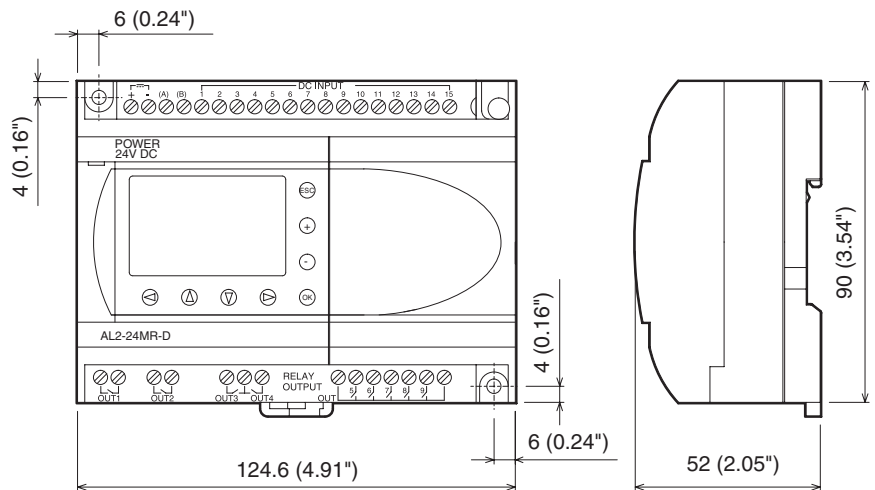
A wide operation temperature range (-25 to 55 degrees C) is supported as the standard specification.



Position of α and $\alpha 2$



Dimensions



Expanded field of applications

- Remote maintenance
- Time scale control
- Temperature measurement
- Liquid flow measurement
- Lighting control

General specifications

Main unit

Model	I/O	Power	Input	Output	Analog Input	Dimensions
AL2-14MR-A	14(8/6)	100 to 240VAC	100 to 240VAC	Relay (Maximum 8A)		124.6 x 90 x 52(mm) 4.91 x 3.54 x 2.05(inch)
AL2-14MR-D		24VDC	24VDC(Sink/source)		✓	
AL2-24MR-A	24(15/9)	100 to 240VAC	100 to 240VAC			
AL2-24MR-D		24VDC	24VDC(Sink/source)		✓	

Extension module

Model	Description	Remarks
AL2-4EX	4 digital inputs with 24VDC	
AL2-4EX-A2	4 digital inputs with 220 to 240VAC	
AL2-4EYR	4 digital outputs with relay	
AL2-4EYT	4 digital outputs with transistor	
AL2-2DA	2 analog outputs	

Accessories

Model	Description	Remarks
AL-PCS/WIN-E	Programming software of FBD with personal computer	Version V2.00 for $\alpha 2$
AL2-GSM-CAB	GSM communication interface cable	$\alpha 2$ only
AL-232CAB	RS-232C communication cable with personal computer	Common with α and $\alpha 2$
AL2-ASI-BD	AS-interface slave module	$\alpha 2$ only
AL2-EEPROM-2	Program memory cassette of $\alpha 2$	$\alpha 2$ only

Safety Warning

To ensure proper use of the products listed in this catalog, please be sure to read the instruction manual prior to use.

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