MITSUBISHI ELECTRIC

Simple Application Controllers
ALPHA 2
PRODUCT FLYER

The ALPHA 2 controllers offer simple and reliable control for a wide range of automation applications. ALPHA 2 can replace timers and counters in traditional switchboards or be used for monitoring and control of air conditioning, pumps and lighting.
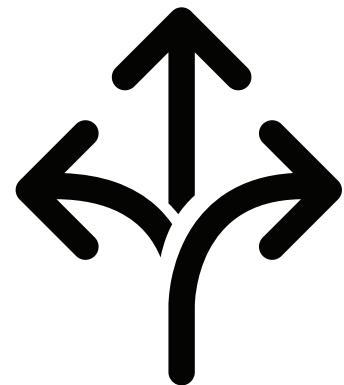
Wide Operational Temperature
The units are designed to operate in a temperature range from -25°C to 55°C, making the Alpha controllers ideal for applications inside and out.

200 Function Blocks
Alpha controller can process up to 200 function blocks in a program which include timers, counters, analog value processing, calendar and time function.

More Flexibility
DC versions up to 8 DC inputs can be configured to be digital or analog providing greater flexibility with no additional modules.

Features

- » Integrated HMI
- » Sink or source inputs
- » Optional IO expansions

- » AC or 24 DC power supply
- » Advanced software

- » Real time clock functions
- » Program security
- » EEPROM memory

- » Network capability
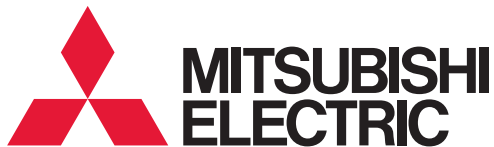- » Communication via GSM, SMS or e-mail

SPECIFICATIONS

Base units	AL2-10MR-D	AL2-10MR-A	AL2-14MR-D	AL2-14MR-A	AL2-24MR-D	AL2-24MR-A
I/Os	10		14, expandable to 18		24, expandable to 28	
Power supply	24 V DC	100 - 240 V AC	24 V DC	100 - 240 V AC	24 V DC	100 - 240 V AC
Digital inputs	6		8		15	
Digital inputs with analog capability (0-10v, 9bit)	6	Not applicable	8	Not applicable	8	Not applicable
Relay outputs	4		6		9	
Constant outputs	8 A		8 A		8 A (4x) / 2 A (5x)	
Function blocks	Max. 200		Max. 200		Max. 200	
Dimensions (W x H x D) in mm	71.2 x 90 x 52		124.6 x 90 x 52		124.6 x 90 x 52	
Expansion modules for ALPHA2						
AL2-4EX*	4 dig. inputs (24 V DC) with 2 selectable high-speed counters (1 kHz)					
AL2-4EX-A2*	4 dig. inputs (240 V AC)					
AL2-4EYT*	4 transistor outputs (1 A)					
AL2-4EYR*	4 relay outputs (2 A)					
AL2-2DA*	2 analog outputs (0 - 10 V / 4 - 20 mA)					
AL2-2PT-ADP	2 Pt100 temperature converters					
AL2-2TC-ADP	2 K-type thermocouple converters					
Accessories for ALPHA2						
AL-PCS/WIN	Software CD for Windows, manuals, sample programs					
AL-232CAB	Cable for connecting ALPHA 2 to PC, 2.5 m					
AL2-GSM-CAB	RS-232C for second communications port					
AL2-EEPROM-2	Memory cassette for 200 FBs					
AL2-ASI-BD*	Communications module for field bus, AS-interface, slave					

Notes:

*Not applicable to AL2-10MR units.

Reference: ALPHA 2 products are sometimes referred to as Alpha XL.

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For further information contact

Email: iasw@meaust.meap.com
Website: MitsubishiElectric.com.au