

IMAC2 - MONITORING AND CONTROL



Amcontrol’s iMAC2 Controller is the heart of our Integrated Monitoring and Control system, providing fully managed, distributed I/O over long distances within Group 1 hazardous environments.

Extending the capabilities of the standard iMAC system, the iMAC2 Controller provides real time and historical event logging, diagnostic tools and service information.

System information can be viewed directly on the integrated HTTP web based interface and/or accessed by PLC or SCADA systems via the high speed Ethernet Modbus TCP/IP port.



FEATURES

- Event and data logging
- HTTP web based interface
- Real time and historical data
- Ethernet communications port
- Modbus TCP/IP
- IP55





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iMAC2 provides all the standard features of the existing controller with advanced communication, data logs and diagnostic tools.

	iMAC Controller	iMAC2 Controller
		
Standard iMAC user interface	✓	✓
Event and data logging	✗	✓
HTTP web based interface <ul style="list-style-type: none"> View real time resistance graphs View real time register data View detailed event and data logs View real time controller information View real time module information View remote LCD display View and create service logs (Ampcontrol employees) 	✗	✓
Backlit LCD display	✗ Except 24VDC model	✓
Large log capacity	✗	✓
Real time clock (time stamping)	✗	✓
Supports application software (SLP)	✓	✓
Configurable serial communications port RS232/RS422/RS485	✓	✓
Ethernet communications port RJ45 10/100MB	✗	✓
Modbus TCP/IP	✗	✓
Ethernet/IP (future enhancement)	✗	✓
Power supply (options)	110VAC / 240VAC / 24VDC	24VDC
Ingress protection (panel mounted)	IP55	IP55
Dimensions HxWxD	155 x 155 x 120mm	155 x 155 x 155mm
Cut out dimensions	135 x 135 + 3mm mounting 'ears'	135 x 135 Mounting 'ears' not required
Mounting	Panel 2 x retaining clips	Panel 4 x compact retaining clips
Control relays	2	2
Digital inputs	3	3
Separated connectors For power supply, relays, inputs and serial communications	✗	✓
Target application	Design specifically for long line distributed monitoring and control in harsh environments	



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