

## Highlights

The IISAC01 Analog Control Station (SAC) provides process loop control and monitoring capabilities for a single loop. The analog control station receives and sends information to and from the Harmony controller through the CIO-100 control I/O block, the IMCIS12 control I/O module, or the IMQRS12 quick response module. It includes features not found on earlier digital control stations:

- Additional analog input display with square root option.
- High resolution bar graph displays.
- Five or 40-kilobaud serial link.

## Specifications

Property	Characteristic/Value
Displays	3 gas plasma bar graphs (200 segments for process variable and set point at 0.5% resolution, 100 segments for output at 1.0% resolution) 8-character, 14-segment, alphanumeric display
Bypass	Automatic entry or selected from faceplate
Communication	5 or 40 kbaud RS-485 serial link to the controlling module through the termination unit 40 kbaud with IMMFP11 and IMMFP12 modules with firmware revision level E_0 or higher
Size	72 x 144 x 381 mm (2.82 x 5.67 x 15.0 in.)
Mounting	Flush panel mounting
Supply voltage (at the termination device)	21.6 VDC minimum, 27.0 VDC maximum
Power consumption (at the termination device)	540 mA at 24 VDC
Analog output: Current	3 to 21 mA
Load Compliance	600 $\Omega$ maximum
Inductance	600 mH maximum
Accuracy	2.0% of span at 25°C (77°F)
D/A resolution	8 bits

Property	Characteristic/Value
Analog input: Voltage range Impedance Accuracy A/D resolution Normal mode rejection Common mode rejection Common mode voltage	+0.75 VDC to +5.25 VDC maximum >10 MΩ 1.5% of span at 25°C (77°F) 8 bit 75 dB minimum at 60 Hz 90 dB minimum at 60 Hz ±5 VDC maximum
Electric drive: R/L contact M/A signal M/A power	100 mA maximum (sink or source) 100 mA maximum (sink or source) 21.6 to 27 VDC
Electromagnetic/radio frequency interference	Do not use communication equipment any closer than 2 meters from the station panel
Ambient temperature	5° to 40°C (41° to 104°F)
Humidity	operating: 20% to 80% (noncondensing) storage: 10% to 95% (noncondensing)
Atmospheric pressure	Sea level to 3 km (1.86 mi)
Air quality	Noncorrosive
Certification	CSA certified for use as process control equipment in an ordinary (nonhazardous) location

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## Related Documents

Number	Document Title
WBPEEUD240003??	Harmony Control Input/Output, Data Sheet
WBPEEUD240007??	Harmony Rack Control Input/Output, Data Sheet
WBPEEUI230022??	Analog Control Station Instruction

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