MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

HONEYWELL

900B16-0202

SIXTEEN-CHANNEL ANALOG OUTPUT MODULE

Used with the applicable ControlEdge HC900 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

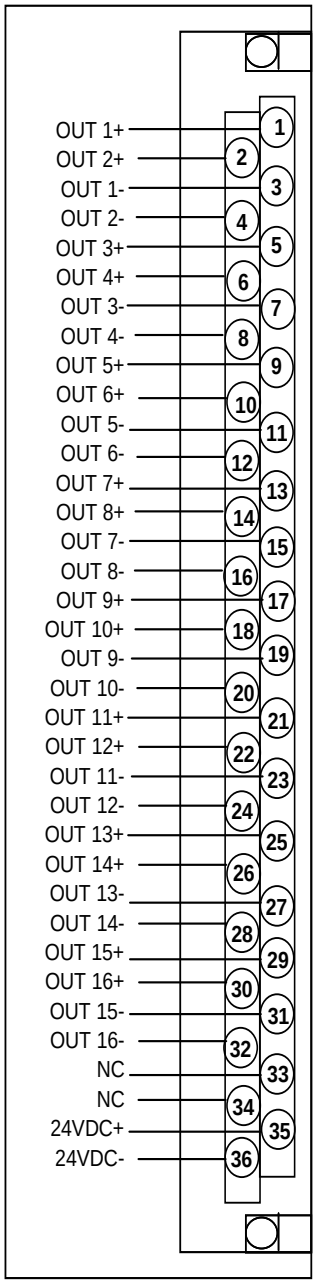
Selected official manufacturer pages follow this cover.

Source: Honeywell 900B16-0202

Analog Output Module (900B16-xxxx)

The Analog Output module provides 16, 0 to 21.0 mA outputs that may be scaled by the user to any span within this range on a per output basis. Outputs are isolated in groups of 4 with no isolation between outputs in a group. All points are isolated from controller logic.

A green blinking status LED on the module indicates when the module is being scanned. A red status LED when module or channel diagnostic exist. A user specified failsafe value is supported to allow predictable operation in the event communication between the module and the controller is interrupted.
Outputs are updated synchronous with control execution.
A user-specified rate of change limit may be applied to each output when needed. Requires Euro style 36-terminal terminal block.



Outputs per module	16, isolated in 4 groups of 4 outputs (1-4, 5-8, 9-12, 13-16)
Current	0 to 21.0 mA, range selectable
Load resistance	750 ohms max
Galvanic Isolation	500VDC group to group. Groups 1-4, 5-8, 9-12, 13-16.
Galvanic Isolation from logic	500 VDC
Accuracy	0.1% full scale at reference conditions
Modules per rack	2 max when powered from internal 24V backplane power.
Minimum current sensing	> 0.5mA per output
Calibration Data	Data is stored in non-volatile memory. Redundant Factory Calibration, with automatic rejection of Bad version. Individual Channel Field Calibration
Diagnostics	Monitoring of Factory Calibration, Field Calibration, and Configuration.
Output Verification	Feedback to controller to indicate output current is flowing.
D/A Resolution	13+ bits (1 part in 13332)
Power Supply Loading	5V ; 350 mA max 24V ; 700 mA max
Terminal Block	36 Position – Euro style, (Model 900TCK-0001)

A DIP switch on the module selects the use of 24V from rack PS (internal) power or external loop power via a separate 24V DC power source. The as-shipped (default) switch setting is external power.

External Power Source requirements:

Voltage	18 to 36 Vdc
Current	700 mA per module