

MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

GE VERSAMAX

## IC200ALG326

EIGHT-CHANNEL ANALOG CURRENT OUTPUT MODULE

Used with the applicable VersaMax analog I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

## Analog Output Modules



Analog output modules provide voltage or current signals to analog output devices. Modules require a carrier base (IC200CHSxxx).

|                                         | IC200ALG325                                                                                                              | IC200ALG326                                                                                                                     | IC200ALG327                                                                                                              | IC200ALG328                                                                                                                                         | IC200ALG331                                                                                                              |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Product Name                            | VersaMax Analog Output Module, 13 Bit $\pm 10$ VDC or 0 to 10 VDC Voltage, 8 Channel                                     | VersaMax Analog Output Module, 13 Bit Current, 8 Channel                                                                        | VersaMax Analog Output Module, 13 Bit $\pm 10$ VDC or 0 to 10 VDC Voltage, 12 Channel                                    | VersaMax Analog Output Module, 13 Bit, 0 - 20 mA, 4-20 mA Current, 12 Channel                                                                       | VersaMax Analog Output Module, 14 Bit Voltage/Current 1500 VAC Isolation, 4 Channel                                      |
| Lifecycle Status                        | Active                                                                                                                   | Active                                                                                                                          | Active                                                                                                                   | Active                                                                                                                                              | Active                                                                                                                   |
| Output Range                            | $\pm 10$ VDC or 0 to 10 VDC                                                                                              | 4 to 20 mA (default)<br>0 to 20 mA (configured with jumper)                                                                     | $\pm 10$ VDC or 0 to 10 VDC                                                                                              | 4 to 20 mA (default)<br>0 to 20 mA (configured with jumper)                                                                                         | $\pm 10$ VDC, 4-20 mA                                                                                                    |
| Number of Channels                      | 8                                                                                                                        | 8                                                                                                                               | 12                                                                                                                       | 12 single ended, one group                                                                                                                          | 4                                                                                                                        |
| External Power Supply                   | Range: 18-30 VDC including ripple;<br>Current consumption: 102 mA maximum                                                | Range: 18-30 VDC including ripple;<br>2A inrush maximum, 100 mA maximum (no load), 185 mA maximum (all 8 outputs at full scale) | Range: 18-30 VDC including ripple;<br>Current consumption: 112 mA maximum                                                | Range: 18-30 VDC including ripple;<br>Current consumption: 2A inrush maximum 100 mA maximum (no load) 270 mA maximum (all 12 outputs at full scale) | Range: 19.5-30 VDC including ripple;<br>Current consumption: 100 mA maximum plus load currents                           |
| Resolution                              | 1.25 mV = 4 counts                                                                                                       | 4-20 mA: 5 counts = 2.5 $\mu$ A (~12.7 bits)<br>0-20 mA: 4 counts = 2.5 $\mu$ A (13 bits)                                       | 1.25 mV = 4 counts                                                                                                       | 4-20 mA: 5 counts = 2.5 $\mu$ A (~12.7 bits)<br>0-20 mA: 4 counts = 2.5 $\mu$ A (13 bits)                                                           | Current mode: 381 nA<br>nominal Voltage mode: 381 $\mu$ V nominal                                                        |
| Update Rate                             | 15.0 ms maximum                                                                                                          | 15.0 ms maximum                                                                                                                 | 10.0 ms maximum                                                                                                          | 15 ms maximum                                                                                                                                       | 7 ms maximum                                                                                                             |
| Accuracy at 25°C                        | $\pm 0.3\%$ typical of full scale,<br>$\pm 0.5\%$ maximum of full scale                                                  | $\pm 0.3\%$ of full scale (typical),<br>$\pm 0.5\%$ of full scale (max.)<br>$\pm 1\%$ of full scale (max.)                      | $\pm 0.3\%$ typical of full scale,<br>$\pm 0.5\%$ maximum of full scale                                                  | +/- 0.3% of full scale (typical),<br>+/- 0.5% of full scale (max.)<br>+/- 1% of full scale (max.)                                                   | $\pm 0.1\%$ maximum of full scale                                                                                        |
| 5V Backplane Current Consumption (mA)   | 50 maximum                                                                                                               | 50 maximum                                                                                                                      | 50 maximum                                                                                                               | 50 maximum                                                                                                                                          | 10 maximum                                                                                                               |
| 3.3V Backplane Current Consumption (mA) | N/A                                                                                                                      | N/A                                                                                                                             | N/A                                                                                                                      | N/A                                                                                                                                                 | 115 maximum                                                                                                              |
| LED Indicators                          | FLD PWR LED indicates field power is present.<br>OK LED indicates backplane power is present.                            | FLD PWR LED indicates field power is present.<br>OK LED indicates backplane power is present.                                   | FLD PWR LED indicates field power is present.<br>OK LED indicates backplane power is present.                            | FLD PWR LED indicates field power is present.<br>OK LED indicates backplane power is present.                                                       | FLD PWR LED indicates the presence of both logic power and user power.<br>OK LED indicates module status.                |
| Dimensions (W x H x D)                  | 110 mm (4.3 in) x 66.8 mm (2.63 in) x 50 mm (1.956 in), not including the height of the carrier or the mating connectors | 110 mm (4.3 in) x 66.8 mm (2.63 in) x 50 mm (1.956 in), not including the height of the carrier or the mating connectors        | 110 mm (4.3 in) x 66.8 mm (2.63 in) x 50 mm (1.956 in), not including the height of the carrier or the mating connectors | 110 mm (4.3 in) x 66.8 mm (2.63 in) x 50 mm (1.956 in), not including the height of the carrier or the mating connectors                            | 110 mm (4.3 in) x 66.8 mm (2.63 in) x 50 mm (1.956 in), not including the height of the carrier or the mating connectors |