



Analog I/O Modules (Output)

GE offers easy-to-use analog modules for control processes such as flow, temperature and pressure.

| | IC695ALG808 | IC694ALG390 | IC694ALG391 |
|--|---|---|---|
| Product Name | PACSystems RX3i Isolated Analog Output, Current/Voltage, 8 Isolated Channels | PACSystems RX3i Analog Output, Voltage, 2 Channel | PACSystems RX3i Analog Output, Current, 2 Channel |
| Lifecycle Status | Active | Active | Active |
| Module Type | Analog Output with Channel to Channel Isolation | Analog Output | Analog Output |
| Backplane Support | Universal Backplane Only. Uses PCI Bus. | No Backplane Restrictions | No Backplane Restrictions |
| Number of Slots Module Occupies on Backplane | 1 | 1 | 1 |
| Diagnostics | High and Low Alarm, Ramp Rate Control, Clamping, Overrange and Underrange | N/A | N/A |
| Protection | N/A | N/A | N/A |
| Range | Current: 0 to 20 mA, 4 to 20 mA; Voltage: ± 10 V, 0 to 10 V | -10 V to +10 V, 4-20 mA | 1-5 V and 0-5 V, 0-20 mA, 4-20 mA |
| HART Support | N/A | N/A | N/A |
| Number of Channels | 8 | 2 | 2 |
| Channel-to-Channel Isolation | Yes (250 VAC continuous, 1500 VAC for 1 minute per channel) | N/A | N/A |
| Update Rate | 8 ms all channels (1 msec per channel) | 5 ms all channels | 5 ms all channels |
| Resolution | ± 10 V @ 15.9 bits minimum 0 to 10 V @ 14.9 bits minimum 0 to 20 mA @ 15.9 bits minimum 4 to 20 mA @ 15.6 bits minimum | 12 bit; 2.5 mV/bit | 12 bit; 0-20 mA, 5 μ A/bit |
| Accuracy | Accurate to within $\pm 0.1\%$ of span at 25C, $\pm 0.25\%$ of span over operating temperature range | ± 5 mV at 25°C (77°F) | 0-20 mA, ± 8 μ A at 25°C (77°F); 0-20 mA, 4-20 mA $\pm 0.1\%$ at 25°C (77°F) |
| Maximum Output Load | Current: 1350 ohm maximum resistance, 10uH max inductance Voltage: 2k Ohm minimum resistance, 1uF max capacitance | 5 mA (2 K ohms) | 5 mA (2 K ohms) |
| Output Load Capacitance | Current: 10uH max.; Voltage: 1uF max. | 2000 pF | 2000 pF, Inductance 1H |
| External Power Requirement | 500 mA @ 24 VDC | N/A | N/A |
| Connector Type | IC694TBBx32 or IC694TBSx32 Sold Separately. | Terminal Block (20 screws), included with module. | Terminal Block (20 screws), included with module. |
| Internal Power Used | 450 mA @ 3.3 V Maximum, all channels on | 32 mA @ 5 VDC; 120 mA @ 24 VDC Isolated | 30 mA @ 5 VDC; 215 mA 24 VDC Isolated |