

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3I

IC695ALG708

8-CHANNEL ANALOG OUTPUT MODULE

Used with the applicable PACSystems RX3i analog I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

3.34.2 Specification Comparison

Item	IC697ALG320	IC695ALG708	Notes
Output Ranges	Current: 0 to 22.5 mA, 4 to 20 mA Voltage: ± 10 V, 0 to 10 V	Current: 0 to 20 mA, 4 to 20 mA Voltage: ± 10 V, 0 to 10 V	
Calibration	Voltage: Factory set at full scale = $10 \text{ V} \pm 2.5 \text{ mV}$. Current: Factory set at $4.0 \text{ mA} \pm 5 \text{ mA}$ and $20 \text{ mA} \pm 5 \text{ mA}$. Full Scale, with 24.0 Vdc field side Voltage.	Accurate to within 0.15% of full scale at 25°C (77°F) Accurate to within 0.30% of full scale at 60°C	
Resolution	16 bit with 14-bit monotonicity $312.5 \mu\text{V}$ per LSB step on Voltage $0.5 \mu\text{A}$ per LSB step on 4 to 20 mA No missing codes over 16 bits on Voltage. No missing codes over 15 bits on current.	± 10 V: 15.9 bits, 0 to 10 V: 14.9 bits, 0 to 20 mA: 15.9 bits, 4 to 20 mA : 15.6 bits	
Response times: Voltage Current	5.0% 0.5 milliseconds 0.1% 2.0 milliseconds 5.0% 1.0 milliseconds 0.1% 5.0 milliseconds	8 milliseconds	RX3i is four times slower for Voltage output.
Isolation		2550 Vdc for one second	
Power Consumption	1.66A (8.3 W) max at 5.0 V	375 mA max at 3.3V	

3.34.3 Pin Mapping

IC695ACC651		RX3i Module1	
IC697ALG320		IC695ALG708	
Terminals		Terminals (TB1)	
1	I1 REF		
2	I1 (+)	20	I1 (+)
3	V1 (+)	19	V1 (+)
4	I1 (-)	21	1 COM
5	V1 (-)	21	1 COM
6	I GND		
7	V GND		
8	NC		

IC695ACC651		RX3i Module1	
IC697ALG320		IC695ALG708	
Terminals		Terminals (TB1)	
9	I2 REF		
10	I2 (+)	2	I2 (+)
11	V2 (+)	1	V2 (+)
12	I2 (-)	3	2 COM
13	V2 (-)	3	2 COM
14	I GND		
15	V GND		
16	NC		
17	I3 REF		
18	I3 (+)	23	I3 (+)
19	V3 (+)	22	V3 (+)
20	I3 (-)	24	3 COM
21	V3 (-)	24	3 COM
22	I GND		
23	V GND		
24	NC		
25	I4 REF		
26	I4 (+)	5	I4 (+)
27	V4 (+)	4	V4 (+)
28	I4 (-)	6	4 COM
29	V4 (-)	6	4 COM
30	I GND		
31	V GND		
32	NC		
33	NC		
34	PWR +	36	+24V
35	NC		
36	PWR -	18	-24V
37	PWR -		
38	PWR -		
39	GND		
40	GND		