

APPLICATION NOTES



Application Note 3025: PAR-31MAA Additional Request Codes

PAR-31MAA

Request Code	Request content	Description (Display range)	Unit
1	Compressor-Operating current (rms)	0 – 50	A
2	Compressor-Accumulated operating time	0 – 9999	10 hours
3	Compressor-Number of operation times	0 – 9999	100 times
4	Discharge temperature (TH4)	-37 ~ 327	°F
5	Outdoor unit - Liquid pipe 1 temperature (TH3)	-40 ~ 194	°F
6	Outdoor unit - Liquid pipe 2 temperature	-40 ~ 194	°F
7	Outdoor unit-2-phase pipe temperature (TH6)	-38 ~ 190	°F
9	Outdoor unit-Outside air temperature (TH7)	-38 ~ 190	°F
12	Discharge super heat (SHd)	0 – 327	deg F
13	Sub-cool (SC)	0 – 234	deg F
16	Compressor-Operating frequency	0 – 255	Hz
17	Compressor-Target operating frequency	0 – 255	Hz
18	Outdoor unit-Fan output step	0 – 10	Step
19	Outdoor unit-Fan 1 speed (Only for air conditioners with DC fan motor)	0 – 9999	rpm
20	Outdoor unit-Fan 2 speed (Only for air conditioners with DC fan motor)	0 – 9999	rpm
22	LEV (A) opening	0 – 500	Pulses
23	LEV (B) opening	0 – 500	Pulses
25	Primary current	0 – 50	A
26	DC bus voltage	180 – 370	V
29	Number of connected indoor units	0 – 4	Units
30	Indoor unit-Setting temperature	62 ~ 86	°F
31	Indoor unit-Intake air temperature <Measured by thermostat>	46 ~ 102	°F
32	Indoor unit-Intake air temperature (Unit No. 1) <Heat mode-4-deg correction>	46 ~ 102	°F
33	Indoor unit-Intake air temperature (Unit No. 2) <Heat mode-4-deg correction>	46 ~ 102	°F
34	Indoor unit-Intake air temperature (Unit No. 3) <Heat mode-4-deg correction>	46 ~ 102	
35	Indoor unit-Intake air temperature (Unit No. 4) <Heat mode-4-deg correction>	46 ~ 102	

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37	Indoor unit - Liquid pipe temperature (Unit No. 1)	-38 ~ 190	°F
38	Indoor unit - Liquid pipe temperature (Unit No. 2)	-38 ~ 190	°F
39	Indoor unit - Liquid pipe temperature (Unit No. 3)	-38 ~ 190	°F
40	Indoor unit - Liquid pipe temperature (Unit No. 4)	-38 ~ 190	°F
42	Indoor unit-Cond./Eva. pipe temperature (Unit No. 1)	-38 ~ 190	°F
43	Indoor unit-Cond./Eva. pipe temperature (Unit No. 2)	-38 ~ 190	°F
44	Indoor unit-Cond./Eva. pipe temperature (Unit No. 3)	-38 ~ 190	°F
45	Indoor unit-Cond./Eva. pipe temperature (Unit No. 4)	-38 ~ 190	°F
48	Thermostat ON operating time	0 – 999	Minutes
49	Test run elapsed time	0 – 120	Minutes
54	Actuator output state		
55	Error content (U9)		
60	Signal transmission demand capacity	0 – 255	
84	M-NET adapter connection (presence/absence)	0000: Not connected "0001": Connected	
89	Display of execution of replace/wash operation	0000: Not washed "0001": Washed	
90	Outdoor unit-Microcomputer version information	Examples) Ver 5.01 "0501"	
91	Outdoor unit-Microcomputer version information (sub No.)	Auxiliary information (displayed after version information) Examples) Ver 5.01 A000 "A000"	
100	Outdoor unit - Error postponement history 1 (latest)	Displays postponement code. (" - - " is displayed if no postponement code is present)	
101	Outdoor unit - Error postponement history 2 (previous)	Displays postponement code. (" - - " is displayed if no postponement code is present)	
102	Outdoor unit - Error postponement history 3 (last but one)	Displays postponement code. (" - - " is displayed if no postponement code is present)	Ver
103	Error history 1 (latest)		
104	Error history 2 (second to last)		Code
105	Error history 3 (third to last)		Code
106	Abnormal thermistor display (TH3/TH6/TH7/TH8)		Code
107	Operation mode at time of error		Code
108	Compressor-Operating current at time of error		Code

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109	Compressor-Accumulated operating time at time of error		Code
110	Compressor-Number of operation times at time of error		Sensor Number
111	Discharge temperature at time of error		–
112	Outdoor unit - Liquid pipe 1 temperature (TH3) at time of error		A
113	Outdoor unit - Liquid pipe 2 temperature at time of error		10 hours
114	Outdoor unit-2-phase pipe temperature (TH6) at time of error		100 times
116	Outdoor unit-Outside air temperature (TH7) at time of error		°F
117	Outdoor unit-Heat sink temperature (TH8) at time of error		°F
118	Discharge super heat (SHd) at time of error		°F
119	Sub-cool (SC) at time of error		°F
120	Compressor-Operating frequency at time of error		°F
121	Outdoor unit at time of error • Fan output step		°F
122	Outdoor unit at time of error • Fan 1 speed (Only for air conditioners with DC fan)		Hz
123	Outdoor unit at time of error • Fan 2 speed (Only for air conditioners with DC fan)		Step
125	LEV (A) opening at time of error		rpm
126	LEV (B) opening at time of error		rpm
130	Thermostat ON time until operation stops due to error		
132	Indoor - Liquid pipe temperature at time of error		
133	Indoor-2-phase pipe temperature at time of error		Pulses
134	Indoor at time of error • Intake air temperature <Thermostat judge temperature>		Pulses
150	Indoor-Actual intake air temperature		Minutes
151	Indoor - Liquid pipe temperature		°F
152	Indoor-2-phase pipe temperature		°F
154	Indoor-Fan operating time (After filter is reset)	0 – 9999	°F

155	Indoor-Total operating time (Fan motor ON time)	0 – 9999	°F
157	Indoor fan output value (Sj value)	0 – 255 Fan control data	°F
158	Indoor fan output value (Pulsation ON/OFF)	"00 **" "***" indicates fan control data.	°F
159	Indoor fan output value (duty value)	"00 **" "***" indicates fan control data.	1 hour
164	Indoor unit-SW3 information	Undefined	10 hours
165	Indoor unit-SW4 information	Undefined	
166	Indoor unit-SW5 information	Undefined	
190	Indoor unit-Microcomputer version information	Examples) Ver 5.01 "0501"	
191	Indoor unit-Microcomputer version information (sub No.)	Auxiliary information (displayed after version information) Examples) Ver 5.01 A000 "A000"	
765	Stable operation (Heat mode)	This request code is not provided to collect data. It is used to fix the operation state.	
766	Stable operation (Cool mode)	This request code is not provided to collect data. It is used to fix the operation state.	
767	Stable operation cancellation	This request code is not provided to collect data. It is used to cancel the operation state that has been fixed by request codes "765" and "766".	

****All specifications and functions available depend on connected equipment and are subject to change without notice****