

mono bloc heat pump errors

	Description	Note	Not listed for Gen 5	Only with Gen 5
101	Indoor unit <-> Outdoor unit Communication Error			
103	Indoor unit panel - Main Communication Error		*	
108	Indoor unit address setting error	check address setting of indoor unit		*
109	Indoor unit communication error	check indoor units quantity setting in outdoor unit. Check electrical connection and settings		*
121	Indoor temperature sensor of indoor unit (Short/open)	dip switch 3 in RC has been turned to "on", this should be turned off. Check indoor unit room sensor location.		
122	Eva_in temperature sensor of indoor unit (Short/open)			
123	Eva_out temperature sensor of indoor unit (Short/open)			
124	Communication Error(Indoor unit -> outdoor unit)		*	
135	Perfect fan sensor error		*	
162	EEPROM error of MICOM. (Physical damage)	test		
163	Option code error of indoor unit EEPROM		*	
190	No change Eva_in temperature or wrong indoor address change		*	
192	Indoor unit cover open error		*	
193	Indoor unit Panel Zero-Crossing Error		*	
194	Indoor unit Main Zero-Crossing Error		*	
198	Error of Terminal Block's thermal fuse (open)			*
201	IDU<->ODU communication error(Tracking failure/IDU quantity setting error)	comms error check F1 and F2 cable between indoor unit and mim control box, check for red and green / yellow leds on the indoor pcb. Red is message leaving yellowe / orren is returning. If power is switched off		
202	IDU<->ODU communication error (3 min)	comms error check F1 and F2 cable between indoor unit and mim control box, check for red and green / yellow leds on the indoor pcb. Red is message leaving yellowe / orren is returning. If power is switched off		
203	Communication error between Inverter and Main Micom (6min)	check Main MICOM, check inverter MICOM		
221	Ambient air temperature sensor of outdoor unit.(Open or Short)	ODU PCB, white plug CN43, this plug holds four sensors, E221 refers to the bottom of these sensors (Red - Air Sensor)		
226	Ambient air temperature sensor is detached from outdoor unit			*
231	Cond_out temperature sensor of main outdoor unit. (Open or Short)	ODU PCB, white plug CN43, this plug holds four sensors, E231 refers to the 2nd from bottom of these sensors (Red - Evaporator sensor)		
236	Cond_out temperature sensor of the outdoor unit. (Open or Short)		*	
237	Cond temperature sensor of outdoor unit. (Open or Short)		*	
241	Cond_mid temperature sensor is detached from sensor hold of the pipe		*	
242	Outdoor unit heater sensor error		*	
246	Cond_out 1 temperature sensor is detached from sensor hold of the pipe.		*	
251	Discharge temperature sensor of digital compressor1(Open or Short)	ODU PCB, white plug CN43, this plug holds four sensors, E251 refers to the 2nd from top of these sensors (Blue - compressor discharge sensor)		
313	4-Way Valve Error		*	
320	OLP sensor error(Open or Short) OLP sensor is on top of the compressor	ODU PCB, white plug CN43, this plug holds four sensors, E320 refers to the top of these sensors (Blue - compressor OLP sensor)		
321	EVI_in temperature sensor (Open or Short)		*	
403	Detection of Outdoor unit compressor freezing (during cooling operation)			
404	Protection of Outdoor unit when it is overload (during safety start, normal operation state)			
407	High Pressure switch error			
416	Discharge of a compressor is overheated			
419	Outdoor unit EEV Open error.			
422	Outdoor unit EEV Close error			*
425	Power source line missing error (ONLY ON 3 PHASE UNITS)			
439	Gas leakage error (Stop state)			*
440	Prohibit compressor starting according to the outdoor temperature(over 30°C.)	heating not available because its to warm outside can be adjusted in field settings		

441	Prohibit compressor starting according to the outdoor temperature(under -5°C.)	cooling operation not available because its less than 5C outside		
443	Gas leakage error (before operating)			*
450	COND high temperature protection control		*	
452	Instant Power-Off error or outdoor unit Zero-Crossing error		*	
453	Outdoor unit fan motor high temperature error		*	
454	Outdoor unit fan motor RPM error		*	
456	Outdoor unit fan motor overcurrent error		*	
457	Outdoor unit fan motor reversed direction of the wind error		*	
458	Outdoor unit fan 1 error			
461	Inverter compressor start up error			
462	Inverter total current error/PFC over current error			
463	OLP is overheated			
464	DC peak error (IPM Over Current)	do inv and compressor test		
465	Compressor overload error (Over 30A)	do inv and compressor test		
466	DC link Voltage error (under 150V, over 410V)	do inv and compressor test		
467	Abnormal compressor running(Compressor Rotation Error) or wrong compressor wiring	do inv and compressor test		
468	Current sensor error	do inv and compressor test		
469	DC link Voltage sensor error	do inv and compressor test		
470	Outdoor unit EEPROM Read/Write error			
471	Outdoor unit EEPROM Read/Write error(OTP error)			
472	Outdoor unit Inverter micom zero-crossing error		*	
473	Inverter compressor lock Error	do inv and compressor test	*	
474	IPM (IGBT MODEL) or PFCM temperature sensor error			
475	Outdoor unit BLDC Fan 2 Error	check pcb is not for a size 9 it means fan motor unplugged		
484	PFC Overload error			
485	Input current sensor error			
500	IPM is overheated			
554	Gas leak error			
556	Capacities not matched	check the option code of the indoor unit		*
557	Option code miss matching among the indoors	Option setting data is wrong		*
590	Inverter EEPROM loading error	Check EEPROM data		*
601	Communication error between the control kit & the wired remote control			
602	Wired remote control Master/Slave setting error	dip switch 4 is set to "on", this should have been left turned off.		
604	Communication tracking error between the control kit & wired remote controller			
607	Communication error between the Master & slave wired remote controllers			
653	Wired remote controller (MWR- WS00 /WE00) temperature sensor error (Short/Open)	check the connection of the thermistor located inside the remote control	test this	
654	Wired remote controller EEPROM error (Physical damage) or ERV damper error			
901	Outdoor unit Heat Exchange Sensor	ODU PCB, yellow plug CN44, this plug holds three sensors, E901 refers to the top of these sensors		
902	Outdoor unit Heat Exchange Sensor	ODU PCB, yellow plug CN44, this plug holds three sensors, E902 refers to the middle of these sensors		
903	Back up boiler	field setting 4021 is set to 1 & the red back up boiler sensor is not connected to the white plug at the bottom left of the MIM PCB		
904	hot water cylinder sensor error	blue sensor not plugged into orange plug t4 in control box		
906	Outdoor unit Heat Exchange Sensor	ODU PCB, yellow plug CN44, this plug holds three sensors, E901 refers to the bottom of these sensors		
911	Flow switch open error	The flow rate is under that needed to operate the system safely.		
912	Flow switch closed error	The flow switch is detecting flow when the pumps should be off, check the wiring of the pumps & that the flow switch hasn't been jammed open.		
914	Thermostat wrong connection error	check the wiring of the Hydro Unit Thermostat.		*
916	Mixing Valve temp sensor error (short/open)	Check indoor unit Mixing Valve Outlet temperature sensor location.		*