

10-6-2023

# Inverter LED's

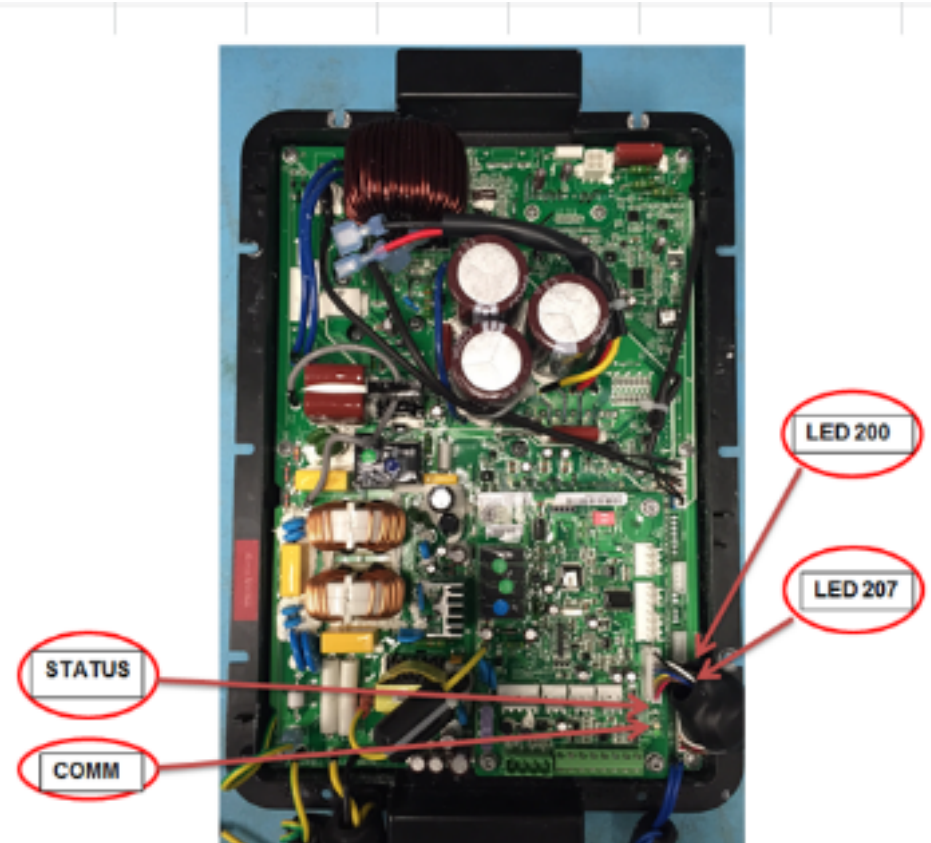
**MOC LED Description (Sizes 13 and 24B)**

Reference	Color	Status	Condition	Description
LED200	Red	Steady On	Normal	Indicates MOC powered where DC bus at 40volts or higher
		Off	Abnormal*	No power, capacitor voltage drained
LED207	Amber	Steady On	Normal	Compressor is running
		Blinking	Abnormal*	If compressor stops, it indicates some fault happening.If compressor is running, it indicates speed is limited or reduced.
		Off	Normal	Compressor stops and no fault

**AOC LED Description (Sizes 13 and 24B)**

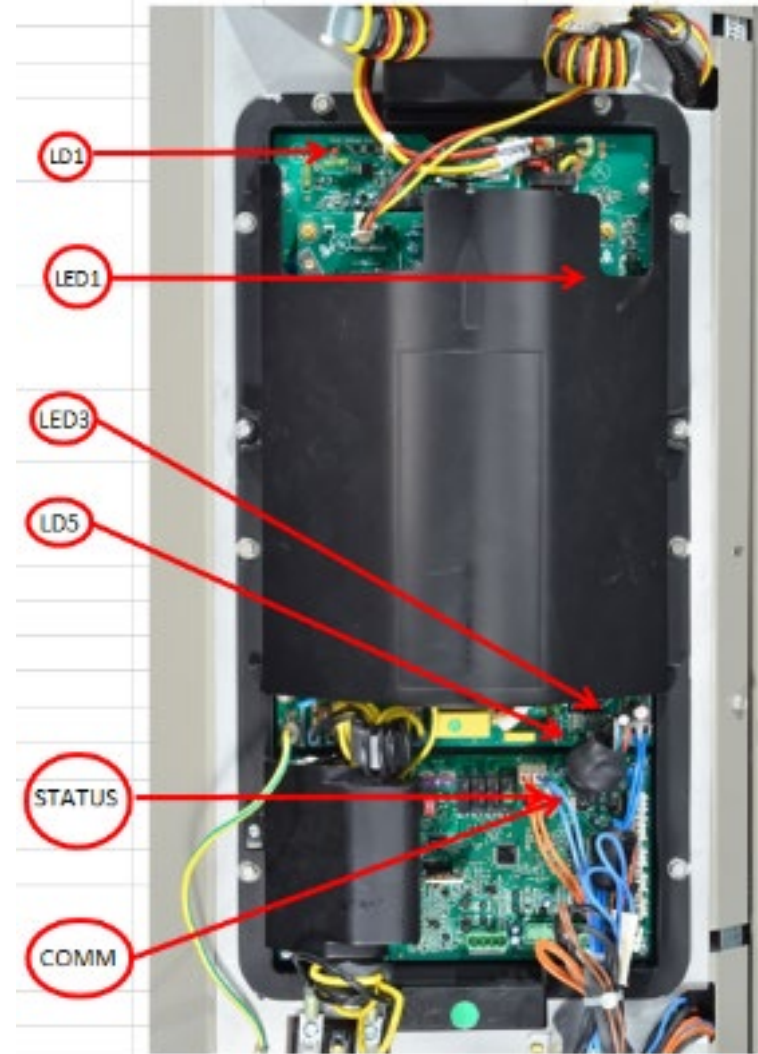
Reference	Color	Status	Condition	Description
STATUS	Amber	Steady On	Normal	AOC status-standby mode
		Blinking	Abnormal*	AOC function/fault status
COMM	Green	Steady On	Normal	Communication from AOC to indoor wall control

\*Abnormal - see service manual for details

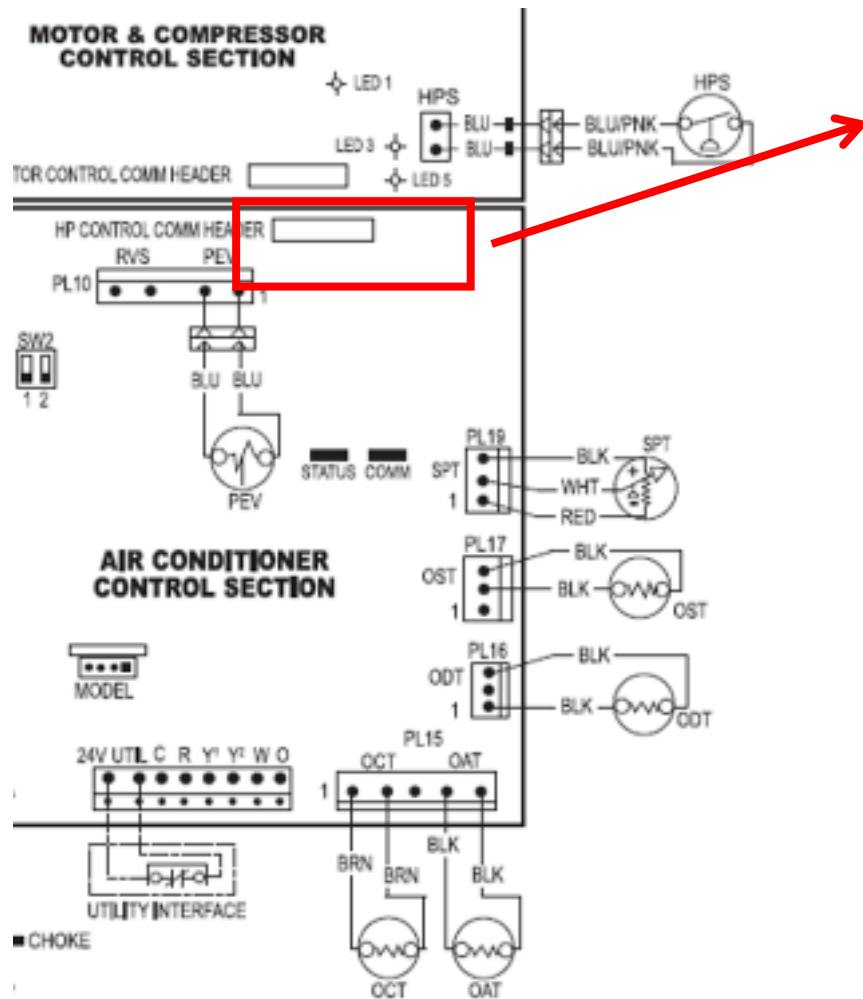


MOC LED Description			
Reference	Color	Status	Description
LD1	Red	Steady On	MOC powered where DC bus is 40volts or greater
		Off	No power; capacitor voltage drained
LED1	Red	Steady On	DCFan board DC high voltage and discharge circuit powered on
		Off	No power
LED3	Amber	Steady On	MOC board switching power supply to power AOC board
		Off	No power
		Blinking	Indicates communication from MOC to AOC
LD5	Green	Steady On	Indicates 5volt connection status OK between AOC and MOC
		Off	No power

AOC LED Description			
Reference	Color	Status	Description
STATUS	Amber	Steady On	AOC status- Standy mode
		Blinking	AOC function/fault status
COMM	Green	Steady On	Communication from AOC to indoor wall control



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Power is supplied by the MOC to AOC via PL20.  
Do not disconnect to measure voltage

AOC DC Voltage Measurements								
ODT			OST			OCT		
Pin #	Pin #	Voltage	Pin #	Pin #	Voltage	Pin #	Pin #	Voltage
1	3	12Vdc	2	3	5Vdc	1	2	5Vdc
1	GND	0	2	GND	5Vdc	1	GND	0
3	GND	12Vdc	3	GND	0	2	GND	5Vdc
OAT			PEV			RVS		
Pin #	Pin #	Voltage	Pin #	Pin #	Voltage	Pin #	Pin #	Voltage
4	5	5Vdc	1	2	24Vdc	3	4	24Vdc
4	GND	0	1	GND	24Vdc	3	GND	0
5	GND	5Vdc	2	GND	0	4	GND	24Vdc
EXV			SPT					
Pin #	Pin #	Voltage	Pin #	Pin #	Voltage			
1	GND	12Vdc	1	2	5Vdc			
2	GND	12Vdc	1	3	5Vdc			
3	GND	12Vdc	2	3	0			
4	GND	12Vdc	1	GND	5Vdc			
5	GND	12Vdc	2	GND	0			
6	GND	12Vdc	3	GND	0			
7	GND	12Vdc						

**Note:** All voltages were measured when the unit was powered up and may or may not be running. The voltages are measured at the connectors of the AOC board with no sensors or PEV/RVS/EXV connected to the board.

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