

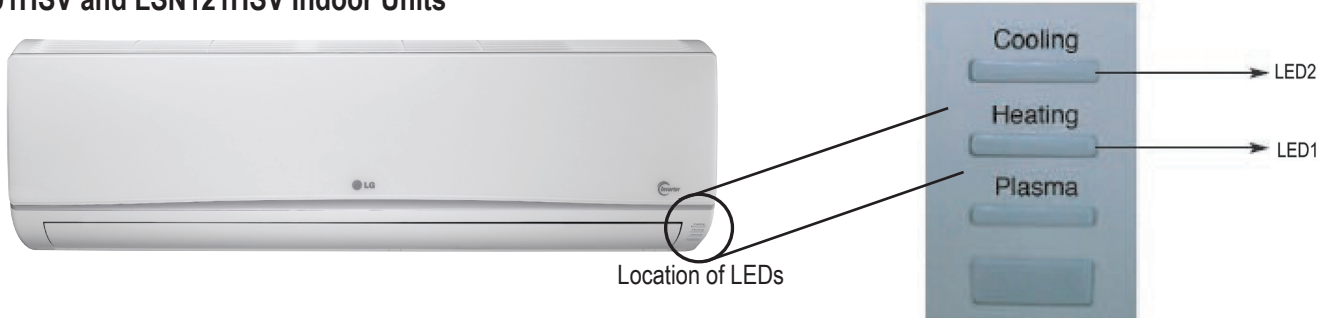
# DEFINING COMMON ERROR CODES

Standard Wall-Mounted High-Efficiency Single Zone Systems

LS091HSV System (LSN091HSV Indoor Units / LSU091HSV Outdoor Units)

LS121HSV System (LSN121HSV Indoor Units / LSU121HSV Outdoor Units)

## LSN091HSV and LSN121HSV Indoor Units



Error Code	Description	No. of Times Indoor Unit LEDs Blink	
		LED1 (Heating LED)	LED2 (Cooling LED)
1	Indoor unit return air thermistor has disconnected or has shorted out.	1X	—
2	Indoor unit inlet pipe thermistor has disconnected or has shorted out.	2X	—
5	Communication failure from indoor unit to outdoor unit.	5X	—
6	Indoor unit outlet pipe thermistor has disconnected or has shorted out.	6X	—
9	Indoor unit EEPROM error.	9X	—
10	Indoor unit fan has locked up (fan motor operation failure).	—	1X
12	Indoor unit middle pipe thermistor has disconnected or has shorted out.	2X	1X
21	DC peak error / IPM fault; compressor DC voltage was too high.	2X	1X
22	Current transformer2 (CT2) error; AC input current is too high.	2X	2X
23	DC link voltage is too low.	2X	3X
25	Voltage to the system is too low or too high.	2X	5X
26	Inverter compressor has seized up or is not providing rotation.	2X	6X
27	Prospective short circuit (PSC) fault error; current to inverter compressor between AC and DC converter circuit is too high.	2X	7X
28	Inverter compressor DC voltage is too high.	2X	8X
29	Inverter compressor amperage is too high.	2X	9X
31	Current to the current transformer (CT) thermistor is too low.	3X	1X
32	Inverter compressor discharge pipe temperature is too high.	3X	2X
40	Current transformer (CT) thermistor has disconnected or has shorted out.	4X	—
41	Inverter compressor discharge pipe thermistor has disconnected or has shorted out.	4X	1X
44	Outdoor unit inlet air thermistor has disconnected or has shorted out.	4X	4X
45	Outdoor unit condenser coil middle thermistor has disconnected or has shorted out.	4X	5X
46	Outdoor unit suction line thermistor has disconnected or has shorted out.	4X	6X
48	Outdoor unit coil outlet (liquid line) thermistor has disconnected or has shorted out.	4X	8X
53	Communication failure from outdoor unit to indoor unit.	5X	3X
60	Outdoor unit PCB EEPROM check sum error.	6X	—
61	Outdoor unit condenser coil temperature is too high.	6X	1X
62	Outdoor unit inverter compressor PCB heat sink temperature is too high.	6X	2X
63	Condenser coil pipe thermistor temperature is too low.	6X	3X
65	Heat sink thermistor has disconnected or has shorted out.	6X	5X
67	Outdoor BLDC fan motor lock error.	6X	7X

# DEFINING COMMON ERROR CODES

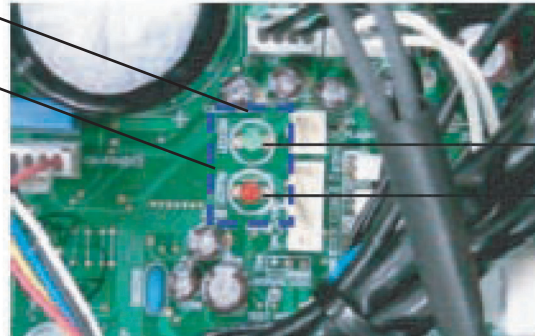


Standard Wall-Mounted High-Efficiency Single Zone Systems  
 LS091HSV System (LSN091HSV Indoor Units / LSU091HSV Outdoor Units)  
 LS121HSV System (LSN121HSV Indoor Units / LSU121HSV Outdoor Units)

## LSU091HSV and LSU121HSV Outdoor Units



Location of PCB LEDs: To access outdoor unit PCB LEDs, remove top cover, and then remove lid to PCB box.



LED1  
LED2

Error Code	Description	No. of Times Outdoor Unit PCB LEDs Blink	
		LED1 (Green)	LED2 (Red)
21	DC peak error / IPM fault; compressor DC voltage was too high.	2X	1X
22	Current transformer2 (CT2) error; AC input current is too high.	2X	2X
23	DC link voltage is too low.	2X	3X
25	Voltage to the system is too low or too high.	2X	5X
26	Inverter compressor has seized up or is not providing rotation.	2X	6X
27	Prospective short circuit (PSC) fault error; current to inverter compressor between AC and DC converter circuit is too high.	2X	7X
28	Inverter compressor DC voltage is too high.	2X	8X
29	Inverter compressor amperage is too high.	2X	9X
31	Current to the current transformer (CT) thermistor is too low.	3X	1X
32	Inverter compressor discharge pipe temperature is too high.	3X	2X
40	Current transformer (CT) thermistor has disconnected or has shorted out.	4X	—
41	Inverter compressor discharge pipe thermistor has disconnected or has shorted out.	4X	1X
44	Outdoor unit inlet air thermistor has disconnected or has shorted out.	4X	4X
45	Outdoor unit condenser coil middle thermistor has disconnected or has shorted out.	4X	5X
46	Outdoor unit suction line thermistor has disconnected or has shorted out.	4X	6X
48	Outdoor unit coil outlet (liquid line) thermistor has disconnected or has shorted out.	4X	8X
53	Communication failure from outdoor unit to indoor unit.	5X	3X
60	Outdoor unit PCB EEPROM check sum error.	6X	—
61	Outdoor unit condenser coil temperature is too high.	6X	1X
62	Outdoor unit inverter compressor PCB heat sink temperature is too high.	6X	2X
63	Condenser coil pipe thermistor temperature is too low.	6X	3X
65	Heat sink thermistor has disconnected or has shorted out.	6X	5X
67	Outdoor BLDC fan motor lock error.	6X	7X

Refer to Service Manuals posted on [www.lg-dfs.com](http://www.lg-dfs.com) to troubleshoot error codes.