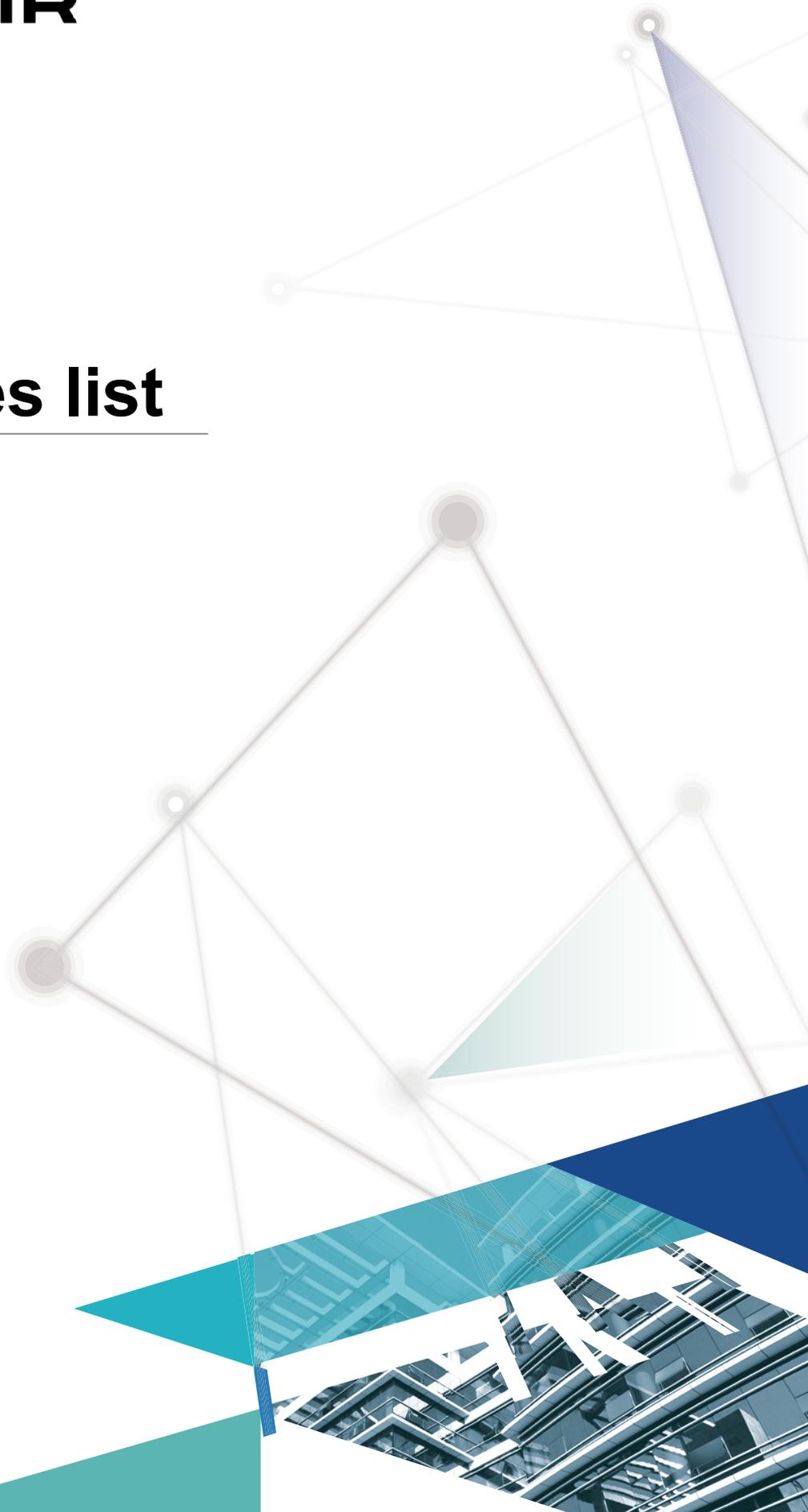




Error codes list

Models: AOU-224VRDC3C
AOU-280VRDC3C
AOU-335VRDC3C
AOU-400VRDC3C
AOU-450VRDC3C
AOU-504VRDC3C
AOU-560VRDC3C
AOU-615VRDC3C



—	Error Code	Content	Error Code	Content
Indoor	L0	Malfunction of IDU	L1	Protection of indoor fan
	L2	Auxiliary heating protection	L3	Water-full protection
	L4	Abnormal Power for wired controller	L5	Freeze prevention protection
	L6	Mode conflict	L7	No main IDU
	L8	Power is insufficient	L9	For single control over multiple units, number of IDU is inconsistent (HBS network)
	LA	For single control over multiple units, IDU series is inconsistent (HBS network)	LH	Alarm due to bad air quality
	LC	IDU is not matching with outdoor unit	LL	Malfunction of water flow switch
	LE	Rotation speed of EC DC water pump is abnormal	LF	Malfunction of shunt valve setting
	LJ	Setting of functional DIP switch code is wrong	LP	Zero-crossing malfunction of PG motor
	LU	Zero-crossing malfunction of PG motor	Lb	For single control over multiple units, IDU is inconsistent (reheating-dehumidifying system)
	d1	Indoor PCB is poor	d2	Malfunction of lower water temperature sensor of water tank
	d3	Malfunction of ambient temperature sensor	d4	Malfunction of entry-tube temperature sensor
	d5	Malfunction of mid-tube temperature sensor	d6	Malfunction of exit-tube temperature sensor
	d7	Malfunction of humidity sensor	d8	Malfunction of water temperature sensor
	d9	Malfunction of jumper cap	dA	Web address of IDU is abnormal
	dH	PCB of wired controller is abnormal	dC	Setting capacity of DIP switch code is abnormal
	dL	Malfunction of air outlet temperature sensor	dE	Malfunction of indoor CO ₂ sensor
	dF	Malfunction of upper water temperature sensor of water tank	dJ	Malfunction of backwater temperature sensor
	dP	Malfunction of inlet tube temperature sensor of generator	dU	Malfunction of drainage pipe temperature sensor of generator
	db	Debugging status	dd	Malfunction of solar power temperature sensor
	dn	Malfunction of swing parts	dy	Malfunction of water temperature sensor
	y1	Malfunction of entry-tube temperature sensor 2	y2	Malfunction of exit-tube temperature sensor 2
	y7	Malfunction of fresh air inlet temperature sensor	y8	Malfunction of IDU's air box sensor
	yA	Malfunction of IFD	o1	Low bus bar voltage of IDU
	o2	High bus bar voltage of IDU	o3	IPM module protection of IDU
	o4	Failure startup of IDU	o5	Over-current protection of IDU
	o6	Current detection circuit malfunction of IDU	o7	Desynchronizing protection of IDU
	o8	Communication malfunction of IDU's drive	o9	Communication malfunction of main mater of IDU
	oA	High temperature of IDU's module	ob	Malfunction of temperature sensor of IDU's module
	oC	Charging circuit malfunction of IDU	o0	Other drive malfunction

—	Error Code	Content	Error Code	Content
Outdoor	E0	Malfunction of ODU	E1	High-pressure protection
	E2	Discharge low-temperature protection	E3	Low-pressure protection
	E4	High discharge temperature protection of compressor	Ed	Drive IPM low temperature protection
	F0	Main board of ODU is poor	F1	Malfunction of high-pressure sensor
	F3	Malfunction of low-pressure sensor	F5	Malfunction of discharge temperature sensor of compressor 1
	F6	Malfunction of discharge temperature sensor of compressor 2	F7	Malfunction of discharge temperature sensor of compressor 3
	F8	Malfunction of discharge temperature sensor of compressor 4	F9	Malfunction of discharge temperature sensor of compressor 5
	FA	Malfunction of discharge temperature sensor of compressor 6	FC	Current sensor of compressor 2 is abnormal
	FL	Current sensor of compressor 3 is abnormal	FE	Current sensor of compressor 4 is abnormal
	FF	Current sensor of compressor 5 is abnormal	FJ	Current sensor of compressor 6 is abnormal
	FP	Malfunction of DC motor	FU	Malfunction of casing top temperature sensor of compressor 1
	Fb	Malfunction of casing top temperature sensor of compressor 2	Fd	Malfunction of exit tube temperature sensor of mode exchanger
	Fn	Malfunction of inlet tube temperature sensor of mode exchanger	J0	Protection for other modules
	J1	Over-current protection of compressor 1	J2	Over-current protection of compressor 2
	J3	Over-current protection of compressor 3	J4	Over-current protection of compressor 4
	J5	Over-current protection of compressor 5	J6	Over-current protection of compressor 6
	J7	Gas-mixing protection of 4-way valve	J8	High pressure ratio protection of system
	J9	Low pressure ratio protection of system	JA	Protection because of abnormal pressure
	JC	Water flow switch protection	JL	Protection because high pressure is too low
	JE	Oil-return pipe is blocked	JF	Oil-return pipe is leaking
	b1	Malfunction of outdoor ambient temperature sensor	b2	Malfunction of defrosting temperature sensor 1
	b3	Malfunction of defrosting temperature sensor 2	b4	Malfunction of liquid outlet temperature sensor of sub-cooler
	b5	Malfunction of gas outlet temperature sensor of sub-cooler	b6	Malfunction of inlet tube temperature sensor of vapor liquid separator
	b7	Malfunction of exit tube temperature sensor of vapor liquid separator	b8	Malfunction of outdoor humidity sensor
	b9	Malfunction of gas temperature sensor of heat exchanger	bA	Malfunction of oil-return temperature sensor 1
	bH	Clock of system is abnormal	bE	Malfunction of inlet tube temperature sensor of condenser
	bF	Malfunction of outlet tube temperature sensor of condenser	bJ	High-pressure sensor and low-pressure sensor are connected reversely
	bP	Malfunction of temperature sensor of oil-return 2	bU	Malfunction of temperature sensor of oil return 3
	bb	Malfunction of temperature sensor of oil return 4	bd	Malfunction of gas inlet temperature sensor of sub-cooler
	bn	Malfunction of liquid inlet temperature sensor of sub-cooler	P0	Malfunction of driving board of compressor
	P1	Driving board of compressor operates abnormally	P2	Voltage protection of driving board power of compressor
	P3	Reset protection of driving module of compressor	P4	Drive PFC protection of compressor

—	Error Code	Content	Error Code	Content
Outdoor	P5	Over-current protection of inverter compressor	P6	Drive IPM module protection of compressor
	P7	Malfunction of drive temperature sensor of compressor	P8	Drive IPM high temperature protection of compressor
	P9	Desynchronizing protection of inverter compressor	PA	Malfunction of drive storage chip of compressor
	PH	High-voltage protection of compressor's drive DC bus bar	PC	Malfunction of current detection circuit drive of compressor
	PL	Low voltage protection for DC bus bar of drive of compressor	PE	Phase-lacking of inverter compressor
	PF	Malfunction of charging loop of driven of compressor	PJ	Failure startup of inverter compressor
	PP	AC current protection of inverter compressor	PU	AC input voltage of drive of inverter compressor
	H0	Malfunction of driving board of fan	H1	Driving board of fan operates abnormally
	H2	Voltage protection of driving board power of fan	H3	Reset protection of driving module of fan
	H4	Drive PFC protection of fan	H5	Over-current protection of inverter fan
	H6	Drive IPM module protection of fan	H7	Malfunction of drive temperature sensor of fan
	H8	Drive IPM high temperature protection of fan	H9	Desynchronizing protection of inverter fan
	HA	Malfunction of drive storage chip of inverter outdoor fan	HH	High-voltage protection of fan's drive DC bus bar
	HC	Malfunction of current detection circuit of fan drive	HL	Low voltage protection of bus bar of fan drive
	HE	Phase-lacking of inverter fan	HF	Malfunction of charging loop of fan drive
	HJ	Failure startup of inverter fan	HP	AC current protection of inverter fan
	HU	AC input voltage of drive of inverter fan	G0	PV reversed connection protection
	G1	PV anti-islanding protection	G2	PV DC overcurrent protection
	G3	PV power generation overload	G4	PV leakage current protection
	G5	Phase-lacking protection at power grid side	G6	PV LVRT
	G7	Grid over/under frequency protection	G8	Overcurrent protection at power grid side
	G9	Drive IPM module protection at power grid side	GA	Low/high input voltage protection at power grid side
	GH	Photovoltaic DC/DC protection	GC	Photovoltaic DC hardware overcurrent protection
	GL	Grid side hardware overcurrent protection	GE	High or low photovoltaic voltage protection
	GF	DC bus neutral-point potential unbalance protection	GJ	Grid side module high-temperature protection
	GP	Grid side temperature sensor protection	GU	Charging circuit protection
	Gb	Grid side relay protection	Gd	Grid side current side protection
	Gn	Insulation resistance protection	Gy	Power protection (PV)

—	Error Code	Content	Error Code	Content
Debug ging	U0	Preheat time of compressor is insufficient	U2	Wrong setting of ODU's capacity code/jumper cap
	U3	Power phase sequence protection	U4	Refrigerant-lacking protection
	U5	Wrong address for driving board of compressor	U6	Alarm because valve is abnormal
	U8	Malfunction of pipeline for IDU	U9	Malfunction of pipeline for ODU
	UC	Setting of main IDU is succeeded	UL	Emergency operation DIP switch code of compressor is wrong
	UE	Charging of refrigerant is invalid	UF	Identification malfunction of IDU of mode exchanger
	Ud	Drive board of grid-connection is abnormal	Un	Communication malfunction between the drive board of grid-connection and the main board
	C0	Communication malfunction between IDU, ODU and IDU's wired controller	C1	Communication malfunction between main control and DC-DC controller
	C2	Communication malfunction between main control and inverter compressor driver	C3	Communication malfunction between main control and inverter fan driver
	C4	Malfunction of lack of IDU	C5	Alarm because project code of IDU is inconsistent
	C6	Alarm because ODU quantity is inconsistent	C7	Abnormal communication of converter
	C8	Emergency status of compressor	C9	Emergency status of fan
	CA	Emergency status of module	CH	Rated capacity is too high
	CC	No main unit	CL	The matching ratio of rated capacity for IDU and ODU is too low
	CE	Communication malfunction between mode exchanger and IDU	CF	Malfunction of multiple main control units
	CJ	Address DIP switch code of system is shocking	CP	Malfunction of multiple wired controller
	CU	Communication malfunction between IDU and the receiving lamp	Cb	Overflow distribution of IP address
	Cd	Communication malfunction between mode exchanger and ODU	Cn	Malfunction of network for IDU and ODU of mode exchanger
	Cy	Communication malfunction of mode exchanger		
Status	A0	Unit waiting for debugging	A2	Refrigerant recovery operation of after-sales
	A3	Defrosting	A4	Oil-return
	A6	Heat pump function setting	A7	Quiet mode setting
	A8	Vacuum pump mode	AH	Heating
	AC	Cooling	AL	Charge refrigerant automatically
	AE	Charge refrigerant manually	AF	Fan
	AJ	Cleaning reminding of filter	AP	Debugging confirmation when starting up the unit
	AU	Long-distance emergency stop	Ab	Emergency stop of operation
	Ad	Limit operation	An	Child lock status
	Ay	Shielding status	n0	SE operation setting of system
	n3	Compulsory defrosting	n4	Limit setting for max. capacity/output capacity
	n5	Compulsory excursion of engineering code of IDU	n6	Inquiry of malfunction
	n7	Inquiry of parameters	n8	Inquiry of project code of IDU
	n9	Check quantity of IDU on line	nA	Heat pump unit
	nH	Heating only unit	nC	Cooling only unit
	nE	Negative code	nF	Fan model
	nJ	High temperature prevention when heating	nU	Eliminate the long-distance shielding command of IDU
	nb	Bar code inquiry	nn	Length modification of connection pipe of ODU



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