

Fault Codes **SMMS / SHRM**

Remote controller AMT21 / 31, will automatically display fault codes at the bottom left of the LCD display. On the outdoor unit fault codes are obtained by the three rotary switches being in the 1-1-1 positions.

IPDU: Intelligent Power Drive Unit

O: Operation T: Timer R: Ready F: Flash

○: LED ON ☼: LED Flashing ●: LED OFF

Alt: Flashing is alternately when there are two flashing LED.

Sim: Simultaneous flashing when there are two flashing LED.

Main TCC Remote	Check Code			Wireless Remote				Check Code	Judging Device
	Outdoor 7 segment display		AI Central controller	Sensor block display					
		Sub code		O	T	R	F		
E01	---	---	---	☼	●	●		Communication error between indoor unit and remote controller (Detected at remote controller)	Remote Controller
E02	---	---	---	☼	●	●		Sending error of remote controller	Remote Controller
E03	---	---	97	☼	●	●		Communication error between indoor unit and remote controller (Detected indoor)	Indoor
E04	---	---	04	●	●	☼		Communication circuit error between indoor and outdoor units (Detected indoor)	Indoor
E06	E06	No. of indoor units in which sensor has been normally received	04	●	●	☼		Decrease of No. of indoor units	I/F
---	E07	---	---	●	●	☼		Communication circuit error of indoor and outdoor units (Detected outdoor)	I/F
E08	E08	Duplicated indoor address	96	☼	●	●		Duplicated indoor address	Indoor / I/F
E09	---	---	99	☼	●	●		Duplicated master remote controllers	Remote controller
E10	---	---	CF	☼	●	●		Communication error in indoor PCB's ass'y	Indoor
E12	E12	01: Indoor / Outdoor communication 02: Communication between outdoor units	42	☼	●	●		Automatic address start error	I/F
E15	E15	---	42	●	●	☼		No indoor automatic address	I/F
E16	E16	00: Over capacity 01: No. of connected units	89	●	●	☼		No. of indoor units / Over capacity	I/F
E18	---	---	97 / 99	☼	●	●		Communication error between indoor header and follower units	Indoor
E19	E19	00: No. header units 02: Two or more header units	96	●	●	☼		Outdoor header units quantity error	I/F
E20	E20	01: Outdoor of other line connected 02: Indoor of other line connected	42	●	●	☼		Other line connected during automatic address	I/F
E23	E23	---	15	●	●	☼		Sending error in communication between outdoor units	I/F
E25	E25	---	15	●	●	☼		Duplicated follower outdoor unit addresses	I/F
E26	E26	No. of outdoor units which received signal normally	15	●	●	☼		Decrease of No. of connected outdoor units	I/F
E28	E28	Detected outdoor unit number	d2	●	●	☼		Outdoor follower error	I/F
E31	E31	01: IPDU 1 error 02: IPDU 2 error 03: IPDU 1, 2 error 04: Fan IPDU error 05: IPDU 1 + Fan IPDU error 06: IPDU 2 + Fan IPDU error 07: All IPDU error	CF	●	●	☼		IPDU communication error	I/F
F01	---	---	0F	☼	☼	●	Alt	Indoor TCJ (Coil) sensor error	Indoor
F02	---	---	0d	☼	☼	●	Alt	Indoor TC2 (Coil) sensor error	Indoor
F03	---	---	93	☼	☼	●	Alt	Indoor TC1 (Coil) sensor error	Indoor
F04	F04	---	19	☼	☼	○	Alt	Outdoor TD1 (Discharge) sensor error	I/F
F05	F05	---	A1	☼	☼	○	Alt	Outdoor TD2 (Discharge) sensor error	I/F
F06	F06	---	18	☼	☼	○	Alt	Outdoor TE1 () sensor error	I/F
F07	F07	---	18	☼	☼	○	Alt	Outdoor TL () sensor error	I/F
F08	F08	---	1b	☼	☼	○	Alt	Outdoor T0 (Ambient) sensor error	I/F

Check Code		Wireless Remote				Check Code	Judging Device		
Main TCC Remote	Outdoor 7 segment display		AI Central controller	Sensor block display					
		Sub code		D	T			R	F
F10	---	---	0C	☉	☉	●	Alt	Indoor TA (Return Air) sensor error	Indoor
F12	F12	---	A2	☉	☉	○	Alt	Outdoor TS1 (Suction) sensor error	I/F
F13	F13	01: Compressor 1 side 02: Compressor 2 side	43	☉	☉	○	Alt	Outdoor TH (IPDU) sensor error	IPDU
F15	F15	---	18	☉	☉	○	Alt	Outdoor temp. sensors misconnected (TE, TL)	I/F
F16	F16	---	43	☉	☉	○	Alt	Outdoor pressure sensors misconnected (Pd, Ps)	I/F
F23	F23	---	43	☉	☉	○	Alt	Outdoor Ps (pressure) sensor error	I/F
F24	F24	---	43	☉	☉	○	Alt	Outdoor Pd (pressure) sensor error	I/F
F29	---	---	12	☉	☉	●	Sim	Indoor other error	Indoor
F31	F31	---	1C	☉	☉	○	Sim	Outdoor EPROM error	I/F
H01	H01	01: Compressor 1 side 02: Compressor 2 side	IF	●	☉	●		Compressor breakdown	IPDU
H02	H02	01: Compressor 1 side 02: Compressor 2 side	1d	●	☉	●		Magnetic switch (contactor) error Over current relay operation Compressor error (Lock)	MG-SW Over current relay IPDU
H03	H03	01: Compressor 1 side 02: Compressor 2 side	17	●	☉	●		Current detection circuit system error	IPDU
H04	H04	---	44	●	☉	●		Compressor 1 case thermo operation	I/F
H06	H06	---	20	●	☉	●		Low pressure protection operation	I/F
H07	H07	---	d7	●	☉	●		Low oil level protection detected	I/F
H08	H08	01: TK1 sensor error 02: TK2 sensor error 03: TK3 sensor error 04: TK4 sensor error	d4	●	☉	●		Oil level detection temperature sensor error	I/F
H14	H14	---	44	●	☉	●		Compressor 2 case thermo operation	I/F
H16	H16	01: TK1 oil circuit system error 02: TK2 oil circuit system error 03: TK3 oil circuit system error 04: TK4 oil circuit system error	d7	●	☉	●		Oil level detection circuit error Magnetic switch (contactor) error Over current relay operation	I/F MG-SW Over current relay
L03	L03	---	96	☉	●	☉	Sim	Duplicated indoor header units	Indoor
L04	L04	---	96	☉	○	☉	Sim	Duplicated outdoor line address	I/F
L05	L05	---	96	☉	●	☉	Sim	Duplicated indoor units with priority (Displayed on indoor unit with priority)	I/F
L06	L06	No. of indoor units with priority	96	☉	●	☉	Sim	Duplicated indoor units with priority (Displayed in unit other than indoor unit with priority)	I/F
L07	---	---	99	☉	●	☉	Sim	Group line in individual indoor unit	Indoor
L08	L08	---	99	☉	●	☉	Sim	Indoor group / address unset	Indoor I/F
L09	---	---	46	☉	●	☉	Sim	Indoor capacity unset	Indoor
L10	L10	---	88	☉	○	☉	Sim	Outdoor capacity unset	I/F
L17	L17	---	46	☉	○	☉	Sim	Inconsistency error of outdoor units	I/F
L18	L18	---	8A	☉	☉	☉	Sim	FS unit error	FS unit
L20	---	---	98	☉	○	☉	Sim	Duplicated central controller addresses	AI-NET Indoor
L28	L28	---	46	☉	○	☉	Sim	No. of connected outdoor units overcapacity	I/F
L29	L29	01: IPDU1 error 02: IPDU2 error 03: IPDU3 error 04: Fan IPDU error 05: IPDU1 + Fan IPDU error 06: IPDU2 + Fan IPDU error 07: All IPDU error	CF	☉	○	☉	Sim	No. of IPDU error	I/F
L30	L30	Detected indoor address	b6	☉	○	☉	Sim	Auxiliary interlock in indoor unit	Indoor
---	L31	---	---	--	--	--		IC error	I/F

Check Code				Wireless Remote				Check Code	Judging Device
Main TCC Remote	Outdoor 7 segment display		AI Central controller	Sensor block display					
		Sub code		O	T	R	F		
P01	---	---	11	●	⊗	⊗	Alt	Indoor fan motor error	Indoor
P03	P03	---	1E	⊗	●	⊗	Alt	Discharge temperature TD1 error	I/F
P04	P04	01: Compressor 1 side 02: Compressor 2 side	21	⊗	●	⊗	Alt	High pressure switch detection error	IPDU
P05	P05	01: Phase-missing detection 02: Phase order error	AF	⊗	●	⊗	Alt	Phase-missing detection / Phase order error	I/F
P07	P07	01: Compressor 1 side 02: Compressor 2 side	1C	⊗	●	⊗	Alt	Heat sink overheat error	IPDU I/F
P10	P10	Detected indoor address	0b	●	⊗	⊗	Alt	Indoor overflow error	Indoor
P12	---	---	11	●	⊗	⊗	Alt	Indoor fan motor error	Indoor
P13	P13	---	47	●	⊗	⊗	Alt	Outdoor liquid back detection error	I/F
P15	P15	01: TS condition 02: TD condition	AE	⊗	●	⊗	Alt	Gas leak detection	I/F
P17	P17	---	bb	⊗	●	⊗	Alt	Discharge temperature TD2 error	I/F
P19	P19	Detected outdoor unit number	08	⊗	●	⊗	Alt	4-Way valve inverse error	I/F
P20	P20	---	22	⊗	●	⊗	Alt	High pressure protection operation	I/F
P22	P22	0_: IGBT short 1_: Fan motor position detective circuit error 3_: Fan motor error C_: TH sensor temp. error (Heat sink overheat) D_: TH sensor error E_: Vdc output error	1A	⊗	●	⊗	Alt	Outdoor fan IPDU error	Fan IPDU
P26	P26	01: Compressor 1 side 02: Compressor 2 side	14	⊗	●	⊗	Alt	G-TR short circuit protection error	IPDU
P29	P29	01: Compressor 1 side 02: Compressor 2 side	16	⊗	●	⊗	Alt	Compressor position detective circuit system error	IPDU
P31	---	---	47	⊗	●	⊗	Alt	Other indoor unit error (Group follower unit error)	Indoor
---	---	---	b7	By alarm device			Alt	Error in indoor group	AI-NET
---	---	---	97	---				AI-NET communication system error	AI-NET
---	---	---	99	---				Duplicated network adaptors / addresses	AI-NET