Fault Codes SMMS / SHRM

Remote controller AMT32 / 41, 51 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.

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		
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		O	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

Error detected by TCC-Link central control device

Check Code				Wireless Remote				Check Code Name	Judging Device
Central control device	Outdoor 7 segment display		AI Central controller	Sensor block display					
		Auxiliary code		O	T	R	F		
C05	---	---	---	---				Sending error in TCC-Link central control device	TCC-LINK
C06	---	---	---	---				Receiving error in TCC-Link central control device	TCC-LINK
C12	---	---	---	---				Batch alarm of general purpose equipment control interface	HA control interface I/F
P30	Differs according to error contents of unit with occurrence of alarm							Group control follower unit error	TCC-LINK
	---	---	(L20 is displayed)					Duplicated central control addresses	

Fault Codes SMMSi / SHRMi

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		
E31	**E31**	01: IPDU 1 error 02: IPDU 2 error 03: IPDU 1, 2 error 04: IPDU 3 error 05: IPDU 1, 3 error 06: IPDU 2,3 error 07: IPDU 1,2,3 error 08: Fan IPDU error 09: IPDU 1 error + fan IPDU error 0A: IPDU 2 error + Fan IPDU error 0B: IPDU 1, 2 error + Fan IPDU error 0C: IPDU 3 error + Fan IPDU error 0E: IPDU 2, 3 error + Fan IPDU error 0F: All IPDU error + Fan IPDU error	**CF**	●	●	☼		IPDU communication error	
F06	**F06**	01:TE1 02: TE2	**18**	☼	☼	○	Alt	Outdoor heat exchanger temperature sensors (TE1, TE2) have been open/short-circuited.	
F11	**F11**		**---**				Alt	Discharge temperature sensor (TF) has been open/short-circuited.	
F13	**F13**	01: Compressor 1 02: Compressor 2 03: Compressor 3	**43**	☼	☼	○	Alt	Temperature sensor built into indoor IGBT (TH) has been open/short-circuited.	
F22	**F22**		**---**	☼	☼	○	Alt	Outdoor discharge temperature sensor (TD3) has been open/short-circuited.	
H01	**H01**	01: Compressor 1 02: Compressor 2 03: Compressor 3	**IF**	●	☼	●	Alt	Inverter current (Idc) detection circuit detects overcurrent.	
H02	**---**	01: Compressor 1 02: Compressor 2 03: Compressor 3	**1d**	●	☼	●	Alt	Compressor lockup is detected	
H03	**H03**		**17**	●	☼	●	Alt	Abnormal current is detected while inverter compressor is turned off.	
H05	**H05**	---		●	☼	●	Alt	Wiring/installation error or detachment of outdoor discharge temperature sensor (TD1) has been detected.	
H08	**H08**	01:TK1 Sensor error 02:TK2 sensor error 03:TK3 sensor error 04:TK4 sensor error 05:TK5 sensor error	**d4**	●	☼	●	Alt	Temperature sensor for oil level detection (TK1-5) has been open/short-circuited.	
H15	**H15**		**---**	●	☼	●	Alt	Wiring/installation error or detachment of outdoor discharge temperature sensor (TD2) has been detected.	
H16	**H16**	01:TK1 Oil circuit error 02:TK2 Oil circuit error 03:TK3 Oil circuit error 04:TK4 Oil circuit error 05:TK5 Oil circuit error	**d7**	●	☼	●	Alt	No temperature change is detected by temperature sensor for oil level detection (TK1-5) despite compressor having been started.	
H25	**H25**		**---**	●	☼	●	Alt	Wiring/installation error or detachment of outdoor discharge temperature sensor (TD3) has been detected.	

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		
L29	**L29**	01: IPDU 1 error 02: IPDU 2 error 03: IPDU 1, 2 error 04: IPDU 3 error 05: IPDU 1, 3 error 06: IPDU 2,3 error 07: All IPDU error 08: Fan IPDU error 09: IPDU 1 error + fan IPDU error 0A: IPDU 2 error + Fan IPDU error 0B: IPDU 1, 2 error + Fan IPDU error. 0C: IPDU 3 error + Fan IPDU error 0D: IPDU 1,3 error+ Fan IPDU error 0E: IPDU 2, 3 error + Fan IPDU error 0F: IPDU 1,2,3 error + Fan IPDU error	**CF**	☼	○	☼		There are insufficient number of IPDUs (P.C. Boards) inverter box.	
P04	**P04**	01: Compressor 1 02: Compressor 2 03: Compressor 3	**21**	☼	●	☼		High-pressure SW is activated	
P05	**P05**	00: Open Phase detected 01: Compressor 1 02: Compressor 2 03: Compressor 3	**AF**	☼	●	☼		Open phase is detected when power is turned on inverted DC voltage is too high (Overvoltage) or too low (Under voltage).	
P07	**P07**	01: Compressor 1 02: Compressor 2 03: Compressor 3	**1C**	☼	●	☼	Alt	Temperature sensor built into IGBT (TH) detects overheating.	
P18	**P18**		**---**					Outdoor discharge temperature sensor (TD3) detects abnormally high temperature.	
P22	**---**	0* IGBT circuit 1* Position detection circuit error 3* Motor lockup 4*Motor current detection C* TH sensor D* TH sensor error E* Inverter DC voltage error (outdoor fan) Note : although letters O to F appear at locations indicated by "*" please ignore them.	**1A**	☼	●	☼	Alt	Outdoor fan IPDU detects error.	
P26	**P26**	01: Compressor 1 02: Compressor 2 03: Compressor 3	**14**	☼	●	☼		Short-circuit protection for compressor motor driver circuit components is activated (momentary overcurrent)	
P29	**P29**	01: Compressor 1 02: Compressor 2 03: Compressor 3	**16**	☼	●	☼		Compressor motor position detection error is detected.	