

Chapter 6 Function Code Table

6.1 Function Code Description

- There are a total of 18 function code groups, each of which includes several function codes. The function codes adopt the three-level menu. The function code group number is Level-I menu; the function code number is Level-II menu; the function code setting is Level-III menu.
- The meaning of each column in the function code table is as follows:

Function Code	Indicates the function code number.
Parameter Name	Indicates the parameter name of the function code.
Setting Range	Indicates the setting range of the parameter.
Default	Indicates the default setting of the parameter at factory.
Unit	Indicates the measurement unit of the parameter.
Property	Indicates whether the parameter can be modified (including the modification conditions)

The modification property of the parameters includes three types, described as follows:




" ☆ ": The parameter can be modified when the controller is in either stop or running state.

" ★ ": The parameter cannot be modified when the controller is in the running state.

" ● ": The parameter is the actually measured value and cannot be modified.

The system automatically restricts the modification property of all parameters to prevent mal-function.

6.2 Function Code Groups

On the operation panel, press  and then  or  , and you can view the function code groups. The function code groups are classified as follows:

F0	Basic parameters	F9	Time parameters
F1	Motor parameters	FA	Keypad setting parameters
F2	Vector control parameters	Fb	Door function parameters
F3	Running control parameters	FC	Protection function parameters
F4	Floor parameters	Fd	Communication parameters
F5	Terminal function parameters	FE	Elevator function parameters
F6	Basic elevator parameters	FF	Factory parameters
F7	Test function parameters	FP	User parameters
F8	Enhanced function parameters	Fr	Leveling adjustment parameters

6.3 Function Code Table

Function Code	Parameter Name	Setting Range	Default	Unit	Property
Group F0: Basic parameters					
F0-00	Control mode	0: Sensorless vector control (SVC) 1: Closed-loop vector control (CLVC) 2: Voltage/Frequency (V/F) control	1	-	★
F0-01	Command source selection	0: Operation panel control 1: Distance control	1	-	★
F0-02	Running speed under operation panel control	0.050 to F0-04	0.050	m/s	☆
F0-03	Maximum running speed	0.100 to F0-04	1.600	m/s	★
F0-04	Rated elevator speed	0.250–4.000	1.600	m/s	★
F0-05	Rated elevator load	300–9999	1000	kg	★
F0-06	Maximum frequency	20.00–99.00	50.00	Hz	★
F0-07	Carrier frequency	0.5–16.0	6.0	kHz	★
Group F1: Motor parameters					
F1-00	Encoder type	0: SIN/COS encoder, absolute encoder 1: UVW encoder 2: ABZ incremental encoder	0	-	★
F1-01	Rated motor power	0.7–75.0	Model dependent	kW	★
F1-02	Rated motor voltage	0–600	Model dependent	V	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F1-03	Rated motor current	0.00–655.00	Model dependent	A	★
F1-04	Rated motor frequency	0.00–99.00	Model dependent	Hz	★
F1-05	Rated motor rotational speed	0–3000	Model dependent	RPM	★
F1-06	Encoder initial angle (synchronous motor)	0.0–359.9	0	Degree (°)	★
F1-07	Encoder angle at power-off (synchronous motor)	0.0–359.9	0	Degree (°)	★
F1-08	Synchronous motor wiring mode	0–15	0	-	★
F1-09	Current filter time (synchronous motor)	0–3	0	-	★
F1-10	Encoder verification selection	0–65535	0	-	★
F1-11	Auto-tuning mode	0: No operation 1: With-load auto-tuning 2: No-load auto-tuning 3: Shaft auto-tuning	0	-	★
F1-12	Encoder pulses per revolution	0–10000	2048	PPR	★
F1-13	Encoder wire-breaking detection time	0–10.0	1.0	s	★
F1-14	Stator resistance (asynchronous motor)	0.000–30.000	Model dependent	Ω	★
F1-15	Rotor resistance (asynchronous motor)	0.000–30.000	Model dependent	Ω	★
F1-16	Leakage inductance (asynchronous motor)	0.00–300.00	Model dependent	mH	★
F1-17	Mutual inductance (asynchronous motor)	0.1–3000.0	Model dependent	mH	★
F1-18	Magnetizing current (asynchronous motor)	0.01–300.00	Model dependent	A	★
F1-19	Shaft Q inductance (torque)	0.00–650.00	3.00	mH	★
F1-20	Shaft D inductance (excitation)	0.00–650.00	3.00	mH	★
F1-21	Back EMF	0–65535	0	-	★
F1-25	Motor type	0: Asynchronous motor 1: Synchronous motor	1	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
Group F2: Vector control parameters					
F2-00	Speed loop proportional gain KP1	0–100	40	-	★
F2-01	Speed loop integral time TI1	0.01–10.00	0.60	s	★
F2-02	Switchover frequency 1	0.00 to F2-05	2.00	Hz	★
F2-03	Speed loop proportional gain KP2	0–100	35	-	★
F2-04	Speed loop integral time TI2	0.01–10.00	0.80	s	★
F2-05	Switchover frequency 2	F2-02 to F0-06	5.00	Hz	★
F2-06	Current loop KP1 (torque)	10–500	60	-	★
F2-07	Current loop KI1 (torque)	10–500	30	-	★
F2-08	Torque upper limit	0.0–200.0	150.0	%	★
F2-10	Elevator running direction	0: Direction unchanged 1: Direction reversed	0	-	★
F2-11	Zero servo current coefficient	0.20–50.0	15	-	★
F2-12	Zero servo speed loop KP	0.00–2.00	0.5	-	★
F2-13	Zero servo speed loop KI	0.00–2.00	0.6	-	★
F2-16	Torque acceleration time	1–500	1	ms	★
F2-17	Torque deceleration time	1–500	350	ms	★
F2-18	Startup acceleration time	0.000–1.500	0.000	s	★
Group F3: Running control parameters					
F3-00	Startup speed	0.000–0.030	0.000	m/s	★
F3-01	Startup holding time	0.000–0.500	0.000	s	★
F3-02	Acceleration rate	0.200–1.500	0.600	m/s ²	★
F3-03	Acceleration start jerk time	0.300–4.000	2.500	s	★
F3-04	Acceleration end jerk time	0.300–4.000	2.500	s	★
F3-05	Deceleration rate	0.200–1.500	0.600	m/s ²	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F3-06	Deceleration end jerk time	0.300–4.000	2.500	s	★
F3-07	Deceleration start jerk time	0.300–4.000	2.500	s	★
F3-08	Special deceleration rate	0.200–1.500	0.900	m/s ²	★
F3-09	Pre-deceleration distance	0–90.0	0.0	mm	★
F3-10	Re-leveling speed	0.000–0.080	0.040	m/s	★
F3-11	Inspection speed	0.100–0.630	0.250	m/s	★
F3-12	Position of up slow-down 1	0.000–300.00	0.00	m	★
F3-13	Position of down slow-down 1	0.000–300.00	0.00	m	★
F3-14	Position of up slow-down 2	0.000–300.00	0.00	m	★
F3-15	Position of down slow-down 2	0.000–300.00	0.00	m	★
F3-16	Position of up slow-down 3	0.000–300.00	0.00	m	★
F3-17	Position of down slow-down 3	0.000–300.00	0.00	m	★
F3-18	Zero-speed control time at startup	0.000–1.000	0.200	s	★
F3-19	Brake release delay	0.000–2.000	0.600	s	★
F3-20	Zero-speed control time at end	0.000–1.000	0.300	s	★
F3-21	Low-speed re-leveling speed	0.080 to F3-11	0.100	m/s	★
F3-22	Acceleration rate at emergency evacuation	0.100–1.300	0.100	m/s ²	★
F3-24	Program function selection	0: Reserved 1: Slip experiment enabled	0	-	★
Group F4: Floor parameters					
F4-00	Leveling adjustment	0–60	30	mm	★
F4-01	Current floor	F6-01 to F6-00	1	-	★
F4-02	High byte of current floor position	0–65535	1	Pulses	●
F4-03	Low byte of current floor position	0–65535	34464	Pulses	●

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F4-04	Length 1 of leveling plate	0-65535	0	Pulses	★
F4-05	Length 2 of leveling plate	0-65535	0	Pulses	★
F4-06	High byte of floor height 1	0-65535	0	Pulses	★
F4-07	Low byte of floor height 1	0-65535	0	Pulses	★
F4-08	High byte of floor height 2	0-65535	0	Pulses	★
F4-09	Low byte of floor height 2	0-65535	0	Pulses	★
F4-10	High byte of floor height 3	0-65535	0	Pulses	★
F4-11	Low byte of floor height 3	0-65535	0	Pulses	★
F4-12	High byte of floor height 4	0-65535	0	Pulses	★
F4-13	Low byte of floor height 4	0-65535	0	Pulses	★
F4-14	High byte of floor height 5	0-65535	0	Pulses	★
F4-15	Low byte of floor height 5	0-65535	0	Pulses	★
F4-16	High byte of floor height 6	0-65535	0	Pulses	★
F4-17	Low byte of floor height 6	0-65535	0	Pulses	★
F4-18	High byte of floor height 7	0-65535	0	Pulses	★
F4-19	Low byte of floor height 7	0-65535	0	Pulses	★
F4-20	High byte of floor height 8	0-65535	0	Pulses	★
F4-21	Low byte of floor height 8	0-65535	0	Pulses	★
F4-22	High byte of floor height 9	0-65535	0	Pulses	★
F4-23	Low byte of floor height 9	0-65535	0	Pulses	★
F4-24	High byte of floor height 10	0-65535	0	Pulses	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F4-25	Low byte of floor height 10	0-65535	0	Pulses	★
Floor height 11 to floor height 37					
F4-80	High byte of floor height 38	0-65535	0	Pulses	★
F4-81	Low byte of floor height 38	0-65535	0	Pulses	★
F4-82	High byte of floor height 39	0-65535	0	Pulses	★
F4-83	Low byte of floor height 39	0-65535	0	Pulses	★
Group F5: Terminal function parameters					
F5-00	Attendant/Automatic switchover time	3-200	3	s	★
F5-01	X1 function selection	08/40: Inspection signal 09/41: Inspection up signal	33	-	★
F5-02	X2 function selection	10/42: Inspection down signal 11/43: Fire emergency signal	35	-	★
F5-03	X3 function selection	12/44: Up limit signal 13/45: Down limit signal	34	-	★
F5-04	X4 function selection	14/46: Overload signal 15/47: Full-load signal 16/48: Up slow-down 1 signal	4	-	★
F5-05	X5 function selection	17/49: Down slow-down 1 signal	5	-	★
F5-06	X6 function selection	18/50: Up slow-down 2 signal 19/51: Down slow-down 2 signal	38	-	★
F5-07	X7 function selection	20/52: Up slow-down 3 signal 21/53: Down slow-down 3 signal	39	-	★
F5-08	X8 function selection	(To be continued)	22	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F5-09	X9 function selection	22/54: Shorting door lock circuit contactor feedback	40	-	★
F5-10	X10 function selection	23/55: Firefighter switch signal	09	-	★
F5-11	X11 function selection	24/56: Door machine 1 light curtain signal 25/57: Door machine 2 light curtain signal	10	-	★
F5-12	X12 function selection	26/58: Brake travel switch 1	44	-	★
F5-13	X13 function selection	27/59: UPS valid signal 28/60: Elevator lock signal	45	-	★
F5-14	X14 function selection	29/61: Safety circuit 2 30/62: Shorting PMSM stator feedback signal	48	-	★
F5-15	X15 function selection	31/63: Door lock circuit 2 feedback signal	49	-	★
F5-16	X16 function selection	32/64: Reserved 65/97: Door machine 1 safety edge signal	50	-	★
F5-17	X17 function selection	66/98: Door machine 2 safety edge signal	51	-	★
F5-18	X18 function selection	67/99: Motor overheat signal	00	-	★
F5-19	X19 function selection	68/100: Earthquake signal 69/101: Back door forbidden signal	00	-	★
F5-20	X20 function selection	70/102: Light-load signal 71/103: Half-load signal	00	-	★
F5-21	X21 function selection	72/104: Fire emergency floor switchover signal	00	-	★
F5-22	X22 function selection	76/108: Door 1 open input 77/109: Door 2 open input	00	-	★
F5-23	X23 function selection	78/110: Brake travel switch 2 input	00	-	★
F5-24	X24 function selection	(End)	00	-	★
F5-25	CTB input type	0-511	320	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F5-26	Y1 function selection	0: Invalid 1: RUN contactor control 2: Brake contactor control 3: Shorting door lock circuit contactor control	1	-	★
F5-27	Y2 function selection	4: Fire emergency floor arrival signal feedback 5: Door machine 1 open 6: Door machine 1 close 7: Door machine 2 open 8: Door machine 2 close	2	-	★
F5-28	Y3 function selection	9: Brake and RUN contactors healthy 10: Fault state 11: Running monitor	3	-	★
F5-29	Y4 function selection	12: Shorting PMSM stator contactor 13: Emergency evacuation automatic switchover 14: System healthy	4	-	★
F5-30	Y5 function selection	15: Emergency buzzer control 16: Higher-voltage startup of brake 17: Elevator running in up direction	0	-	★
F5-31	Y6 function selection	18: Lamp/Fan running 19: Medical sterilization 20: Non-door zone stop 21: Electric lock 22: Non-service state	0	-	★
F5-32	Communication state display	Monitoring of CANbus and Modbus communication states	-	-	●

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F5-33	Terminal program control	Bit3: Elevator fire emergency requirement for Hong Kong Bit4: Arrival gong disabled at night Bit6: Door lock disconnected at inspection switched over to normal running Bit7: Fault code not displayed on the keypad Bit8: Door open command cancelled immediately at door open limit Bit9: Car stop and zero-speed torque holding at abnormal brake feedback	0	-	★
F5-34	Terminal state display	Monitoring of I/O terminals on MCB	-	-	●
F5-35	Terminal state display	Monitoring of I/O terminals on CTB, CCB and HOP	-	-	●
F5-36	Load cell input selection	0: Invalid 1: CTB digital input 2: CTB analog input 3: MCB analog input	1	-	★
F5-37	X25 function selection	0: No function	0	-	★
F5-38	X26 function selection	4: Safety circuit signal	0	-	★
F5-39	X27 function selection	5: Door lock circuit signal	0	-	★
Group F6: Basic elevator parameters					
F6-00	Top floor of the elevator	F6-01 to 40	9	-	★
F6-01	Bottom floor of the elevator	1 to F6-00	1	-	★
F6-02	Parking floor	F6-01 to F6-00	1	-	★
F6-03	Fire emergency floor	F6-01 to F6-00	1	-	★
F6-04	Elevator lock floor	F6-01 to F6-00	1	-	★
F6-05	Service floors 1	0-65535	65535	-	★
F6-06	Service floors 2	0-65535	65535	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-07	Number of elevators in parallel/group mode	1–8	1	-	★
F6-08	Elevator No.	1–8	1	-	★
F6-09	Elevator program control	Bit0: Dispersed waiting Bit3: Parallel/Group control implemented at CAN2 Bit4: Group control in compatibility with NICE3000 Bit6: Clear floor number and display direction in advance Bit8: Unidirectional hall call (single hall call button) Bit 9: Not detecting analog wire breaking Bit10: Err30 judgment at re-leveling cancellation Bit14: Time interval detection of safety circuit 2 and door lock circuit 2	0	-	★
F6-10	Leveling sensor filter time	10–50	14	ms	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-11	Elevator function selection	Bit1: Disabling returning to base floor for verification Bit2: Cancelling auto sequential arrange of hall call floor addresses to be displayed Bit5: Current detection valid at startup for synchronous motor Bit6: Reversing MCB lamp output Bit7: Door open valid at non-door zone in the inspection state Bit8: Door open and close once after inspection turned to normal Bit10: Buzzer not tweet upon re-leveling Bit11: Super short floor function Bit13: Err53 fault auto reset Bit14: Up slow-down not reset for super short floor Bit15: Down slow-down not reset for super short floor	8448	-	★
F6-12	VIP floor	0 to F6-00	0	-	★
F6-13	Security floor	0 to F6-00	0	-	★
F6-14	Start time of down collective selective 1	00.00–23.59	00.00	HH.MM	☆
F6-15	End time of down collective selective 1	00.00–23.59	00.00	HH.MM	☆
F6-16	Start time of down collective selective 2	00.00–23.59	00.00	HH.MM	☆
F6-17	End time of down collective selective 2	00.00–23.59	00.00	HH.MM	☆
F6-18	Start time of time-based floor service 1	00.00–23.59	00.00	HH.MM	☆
F6-19	End time of time-based floor service 1	00.00–23.59	00.00	HH.MM	☆

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-20	Service floor 1 of time-based floor service 1	0-65535	65535	-	☆
F6-21	Service floor 2 of time-based floor service 1	0-65535	65535	-	☆
F6-22	Start time of time-based floor service 2	00.00-23.59	00.00	HH.MM	☆
F6-23	End time of time-based floor service 2	00.00-23.59	00.00	HH.MM	☆
F6-24	Service floor 1 of time-based floor service 2	0-65535	65535	-	☆
F6-25	Service floor 2 of time-based floor service 2	0-65535	65535	-	☆
F6-26	Peak 1 start time	00.00-23.59	00.00	HH.MM	☆
F6-27	Peak 1 end time	00.00-23.59	00.00	HH.MM	☆
F6-28	Peak 1 floor	F6-01 to F6-00	1	-	★
F6-29	Peak 2 start time	00.00-23.59	00.00	HH.MM	☆
F6-30	Peak 2 end time	00.00-23.59	00.00	HH.MM	☆
F6-31	Peak 2 floor	F6-01 to F6-00	1	-	★
F6-35	Service floor 3	0-65535	65535	-	☆
F6-36	Service floor 3 of time-based floor service 1	0-65535	65535	-	☆
F6-37	Service floor 3 of time-based floor service 2	0-65535	65535	-	☆
F6-38	Elevator lock start time	00.00-23.59	00.00	HH.MM	☆
F6-39	Elevator lock end time	00.00-23.59	00.00	HH.MM	☆

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-40	Program control selection 1	Bit0: Disability function Bit1: Soft limit function Bit2: JP16 input used as back door selection Bit3: JP16 input used as the back door open signal Bit4: Opening only one door of opposite doors under manual control Bit5: Timed elevator lock Bit6: Manual door Bit7: Reserved Bit9: Disabling reverse floor number clear Bit10: Displaying next arriving floor number Bit11: Responding to car calls first Bit12: Car call assisted command in single door used as disability function Bit13: Folding command used as disability function and back door function Bit14: Car call command folding Bit15: JP20 used for switchover to back door	0	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-41	Program control selection 2	Bit2: Inspection to stop due to slow-down 1 Bit4: Buzzer tweet during door open delay Bit6: Cancelling door open delay Bit8: Elevator lock at door open Bit9: Display available at elevator lock Bit10: Elevator lock in the attendant state Bit11: Blinking at arrival (within the time set in F6-47) Bit12: Door re-open during door open delay Bit13: Door re-open after car call of the present floor	0	-	★
F6-42	Program control selection 3	Bit1: Cancelling door open/close command at delay after door open/close limit Bit2: Not judging door lock state at door close output Bit3: Door close command output during running Bit4: Returning to base floor for verification at first-time power-on Bit5: Landing at nearest floor at elevator lock	0	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-43	Attendant function selection	Bit0: Calls cancelled after entering attendant state Bit1: Not responding to hall calls Bit2: Attendant/Automatic state switchover Bit3: Door close at jogging Bit4: Automatic door close Bit5: Buzzer tweeting at intervals in attendant state Bit6: Buzzer tweeting at intervals in attendant state Bit7: Car call button blinking to prompt	0	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-44	Fire emergency function selection	Bit3: Arrival gong output in inspection or fire emergency state Bit4: Multiple car calls registered in fire emergency state Bit5: Retentive at power failure in fire emergency state Bit6: Closing door by holding down the door close button Bit7: Reserved Bit8: Door close at car call registering Bit9: Displaying hall calls in fire emergency state Bit10: Firefighter forced running Bit11: Exiting fire emergency state for firefighter Bit12: Not clearing car calls at reverse door open in firefighter running state Bit14: Opening door by holding down the door open button Bit15: Automatic door open in fire emergency floor	16456	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F6-45	Emergency evacuation function selection	Bit0-Bit1: Direction determine mode (00: Automatically calculating direction; 01: Load direction determining; 10: Direction of nearest landing floor) Bit2: Stopping at evacuation parking floor Bit3: Reserved Bit4: Compensation at startup Bit8: Emergency running time protection Bit10: Emergency buzzer output Bit12: Shorting stator braking mode switched over to controller drive Bit13: Mode of shorting stator braking mode switched over to controller drive Bit14: Emergency evacuation exit mode Bit15: Function selection of shorting stator braking mode	0	-	★
F6-46	VIP function selection	Bit0: VIP enabled by hall call (at VIP floor) Bit1: VIP enabled by terminal Bit8: Number of VIP car calls limited	0	s	★
F6-47	Blinking advance time	0.0–15.0	0	s	☆
F6-48	Emergency evacuation switching speed	0.010–0.630	0.010	m/s	★
F6-49	Evacuation parking floor	0 to F6-01	0	-	★
Group F7: Test function parameters					
F7-00	Car call floor registered	0 to F6-00	0	-	☆
F7-01	Up call floor registered	0 to F6-00	0	-	☆

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F7-02	Down call floor registered	0 to F6-00	0	-	☆
F7-03	Random running times	0–60000	0	-	☆
F7-04	Hall call enabled	0: Yes 1: No	0	-	☆
F7-05	Door open enabled	0: Yes 1: No	0	-	☆
F7-06	Overload function	0: Disabled 1: Enabled	0	-	☆
F7-07	Limit switch	0: Enabled 1: Disabled	0	-	☆
F7-08	Time interval of random running	0–1000	0	s	☆
Group F8: Enhanced function parameters					
F8-00	Load for load cell auto-tuning	0–100	0	%	★
F8-01	Pre-torque selection	0: Pre-torque invalid 1: Load cell pre-torque compensation 2: Automatic pre-torque compensation	0	-	★
F8-02	Pre-torque offset	0.0–100.0	50.0	%	★
F8-03	Drive gain	0.00–2.00	0.60	-	★
F8-04	Brake gain	0.00–2.00	0.60	-	★
F8-05	Current car load	0–1023	0	-	●
F8-06	Car no-load load	0–1023	0	-	★
F8-07	Car full-load load	0–1023	100	-	★
F8-08	Anti-nuisance function	0: Anti-nuisance function disabled 1: Nuisance judged by load cell 2: Nuisance judged by light curtain 4: Nuisance judged by light-load signal	0	-	☆
F8-09	Emergency evacuation operation speed at power failure	0.000 to F3-11	0.050	m/s	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
F8-10	Emergency evacuation operation mode at power failure	0: Motor not running 1: UPS 2: 48 V battery power supply	0	-	★
F8-11	Brake apply delay	0.200–1.500	0.200	s	☆
F8-12	Fire emergency floor 2	0 to F6-00	0	-	☆
F8-14	HCB communication setting	Bit4: Energy saving of HCB communication	0	-	☆
F8-16	Start address of hall call auxiliary command	0–40	0	-	☆
F8-17	Hall call address check	0–1	0	-	☆
Group F9: Time parameters					
F9-00	Idle time before returning to base floor	0–240	10	min	☆
F9-01	Time for fan and lamp to be turned off	0–240	2	min	☆
F9-02	Motor running time limit	0–45	45	s	★
F9-03	Clock: year	2000–2100	Current year	YYYY	☆
F9-04	Clock: month	1–12	Current month	MM	☆
F9-05	Clock: day	1–31	Current day	DD	☆
F9-06	Clock: hour	0–23	Current hour	HH	☆
F9-07	Clock: minute	0–59	Current minute	MM	☆
F9-09	Accumulative running time	0–65535	0	h	●
F9-11	High byte of running times	0–9999	0	-	●
F9-12	Low byte of running times	0–9999	0	-	●
F9-13	Maintenance notification period	0–99	0	day	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
Group FA: Keypad setting parameters					
FA-00	Keypad display selection	0: Reversed display of physical floor 1: Positive display of physical floor 2: Reversed display of hall call floor 3: Positive display of hall call floor	3	-	☆
FA-01	Display in running state	1-65535	65535	-	☆
FA-02	Display in stop state	1-65535	65535	-	☆
FA-03	Current encoder angle	0.0-359.9	0.0	Degree (°)	●
FA-05	Control board software (ZK)	0-65535	0	-	●
FA-06	Drive board software (DSP)	0-65535	0	-	●
FA-07	Heatsink temperature	0-100	0	°C	●
FA-11	Pre-torque current	0.0-200.0	0	%	●
FA-12	Logic information	0-65535	0	-	●
FA-13	Curve information	0-65535	0	-	●
FA-14	Set speed	0.000-4.000	0	m/s	●
FA-15	Feedback speed	0.000-4.000	0	m/s	●
FA-16	Bus voltage	0-999.9	0	V	●
FA-17	Present position	0.00-300.0	0	m	●
FA-18	Output current	0.0-999.9	0	A	●
FA-19	Output frequency	0.00-99.99	0	Hz	●
FA-20	Torque current	0.0-999.9	0	A	●
FA-21	Output voltage	0-999.9	0	V	●
FA-22	Output torque	0-100	0	%	●
FA-23	Output power	0.00-99.99	0	kW	●
FA-24	Communication interference	0-65535	0	-	●
FA-26	Input state 1	0-65535	0	-	●

Function Code	Parameter Name	Setting Range	Default	Unit	Property
FA-27	Input state 2	0-65535	0	-	●
FA-28	Input state 3	0-65535	0	-	●
FA-30	Input state 5	0-65535	0	-	●
FA-31	Output state 1	0-65535	0	-	●
FA-32	Output state 2	0-65535	0	-	●
FA-33	Car input state	0-65535	0	-	●
FA-34	Car output state	0-65535	0	-	●
FA-35	Hall state	0-65535	0	-	●
FA-36	System state 1	0-65535	0	-	●
FA-37	System state 2	0-65535	0	-	●
FA-46	Hall call communication state 1	0-65535 (floors 1-16)	0	-	●
FA-47	Hall call communication state 2	0-65535 (floors 17-32)	0	-	●
FA-48	Hall call communication state 3	0-65535 (floors 33-40)	0	-	●
Group Fb: Door function parameters					
Fb-00	Number of door machine(s)	1-2	1	-	☆
Fb-01	CTB software	00-999	0	-	●
Fb-02	Service floors 1 of door machine 1	0-65535	65535	-	☆
Fb-03	Service floors 2 of door machine 1	0-65535	65535	-	☆
Fb-04	Service floors 1 of door machine 2	0-65535	65535	-	☆
Fb-05	Service floors 2 of door machine 2	0-65535	65535	-	☆
Fb-06	Door open protection time	5-99	10	s	☆
Fb-07	Arrival gong output delay	0-1000	0	ms	☆
Fb-08	Door close protection time	5-99	15	s	☆
Fb-09	Door re-open times	0-20	0	-	☆

Function Code	Parameter Name	Setting Range	Default	Unit	Property
Fb-10	Door state of standby elevator	0: Closing the door as normal at base floor 1: Waiting with door open at base floor 2: Waiting with door open at each floor	0	-	☆
Fb-11	Door open holding time for hall call	1-1000	5	s	☆
Fb-12	Door open holding time for car call	1-1000	3	s	☆
Fb-13	Door open holding time at base floor	1-1000	10	s	☆
Fb-14	Door open delay	10-1000	30	s	☆
Fb-15	Special door open holding time	10-1000	30	s	☆
Fb-16	Manual door open holding time	1-60	5	s	☆
Fb-17	Holding time for forced door close	5-180	120	s	☆
Fb-18	Service floors 3 of door machine 1	0-65535	65535	-	☆
Fb-19	Service floors 3 of door machine 2	0-65535	65535	-	☆
Group FC: Protection function parameters					
FC-00	Program control for protection function	Bit0: Short-circuit to ground detection at power-on Bit2: Decelerating to stop at valid light curtain Bit9: Mode without door open/close limit	0	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
FC-01	Program control 2 for protection function	Bit0: Overload protection Bit1: Canceling protection at output phase loss Bit2: Canceling over-modulation function Bit4: Light curtain judgment at door close limit Bit5: Canceling SPI communication judgment Bit14: Canceling protection at input phase loss	65	-	★
FC-02	Overload protection coefficient	0.50–10.00	1.00	-	★
FC-03	Overload pre-warning coefficient	50%–100%	80%	-	★
FC-04	Opposite door selection	0–3	0	-	★
FC-06	Designated fault	0–99	0	-	☆
FC-07	Designated fault code	0–9999	0	-	●
FC-08	Designated fault subcode	0–65535	0	-	●
FC-09	Designated fault month and day	0–1231	0	MM.DD	●
FC-10	Designated fault hour and minute	0–23,59	0	HH.MM	●
FC-11	Logic information of designated fault	0–65535	0	-	●
FC-12	Curve information of designated fault	0–65535	0	-	●
FC-13	Set speed upon designated fault	0.000–4.000	0	m/s	●
FC-14	Feedback speed upon designated fault	0.000–4.000	0	m/s	●
FC-15	Bus voltage upon designated fault	0.0–999.9	0	v	●
FC-16	Current position upon designated fault	0.0–300.0	0	m	●
FC-17	Output current upon designated fault	0.0–999.9	0	A	●

Function Code	Parameter Name	Setting Range	Default	Unit	Property
FC-18	Output frequency upon designated fault	0.00–99.99	0	Hz	●
FC-19	Torque current upon designated fault	0.0–999.9	0	A	●
FC-20	1st fault code	0–9999	0	-	●
FC-21	1st fault subcode	0–65535	0	-	●
FC-22	1st fault month and day	0–1231	0	MM,DD	●
FC-23	1st fault hour and minute	0–23.59	0	HH,MM	●
FC-24	2nd fault code	0–9999	0	-	●
FC-25	2nd fault subcode	0–65535	0	-	●
FC-26	2nd fault month and day	0–1231	0	MM,DD	●
FC-27	2nd fault hour and minute	0–23.59	0	HH,MM	●
FC-28	3rd fault code	0–9999	0	-	●
FC-29	3rd fault subcode	0–65535	0	-	●
FC-30	3rd fault month and day	0–1231	0	MM,DD	●
FC-31	3rd fault hour and minute	0–23.59	0	HH,MM	●
FC-32	4th fault code	0–9999	0	-	●
FC-33	4th fault subcode	0–65535	0	-	●
FC-34	4th fault month and day	0–1231	0	MM,DD	●
FC-35	4th fault hour and minute	0–23.59	0	HH,MM	●
...					
FC-56	10th fault code	0–9999	0	-	●
FC-57	10th fault subcode	0–65535	0	-	●
FC-58	10th fault month and day	0–1231	0	MM,DD	●
FC-59	10th fault hour and minute	0–23.59	0	HH,MM	●
FC-60	Latest fault code	0–9999	0	-	●
FC-61	Latest fault subcode	0–65535	0	-	●
FC-62	Latest fault month and day	0–1231	0	MM,DD	●

Function Code	Parameter Name	Setting Range	Default	Unit	Property
FC-63	Latest fault hour and minute	0–23.59	0	HH.MM	●
FC-64	Logic information of latest fault	0–65535	0	-	●
FC-65	Curve information of latest fault	0–65535	0	-	●
FC-66	Set speed upon latest fault	0.000–4.000	0	m/s	●
FC-67	Feedback speed upon latest fault	0.000–4.000	0	m/s	●
FC-68	Bus voltage upon latest fault	0.0–999.9	0	v	●
FC-69	Current position upon latest fault	0.0–300.0	0	m	●
FC-70	Output current upon latest fault	0–999.9	0	A	●
FC-71	Output frequency upon latest fault	0.00–99.99	0	Hz	●
FC-72	Torque current upon latest fault	0.0–999.9	0	A	●
Group Fd: Communication parameters					
Fd-00	Baud rate	0: 9600 1: 38400	0	bit/s	★
Fd-02	Local address	0–127 0: Broadcast address	1	-	★
Fd-03	Communication response delay	0–20	10	ms	★
Fd-04	Communication timeout	0.0–60.0	0.0	s	★
Fd-05	Re-leveling stop delay	0.00–2.00	0.00	s	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
Fd-07	HC B:JP1 input	0: Reserved NO/NC input: 1/33: Elevator lock signal 2/34: Fire emergency signal	1	-	★
Fd-08	HC B:JP2 input	3/35: Current floor forbidden 4/36: VIP floor signal 5/37: Security floor signal 6/38: Door close button input signal 7/39: Second fire emergency floor signal	2	-	★
Fd-09	HC B:JP1 output	0: Invalid 1: Up arrival indicator 2: Down arrival indicator 3: Fault output	1	-	★
Fd-10	HC B:JP2 output	4: Non-door zone stop output 5: Non-service state output 6: Door close button indicator output	2	-	★
Fd-11	HC B-B:JP1 input	0: Reserved NO/NC input:	0	-	★
Fd-12	HC B-B:JP2 input	1/33: Light-load signal	0	-	★
Fd-13	HC B-B:JP3 input	2/34: Half-load signal 3/35: Door 2 selection	0	-	★
Fd-14	HC B-B:JP4 input	4/36: Door 2 restricted (back door forbidden)	0	-	★
Fd-15	HC B-B:JP5 input	5/37: Door 1 safety edge 6/38: Door 2 safety edge	0	-	★
Fd-16	HC B-B:JP6 input	7/39: Single/Double door selection	0	-	★

Function Code	Parameter Name	Setting Range	Default	Unit	Property
Fd-17	HC B-B:A1 output	0: Reserved	0	-	★
Fd-18	HC B-B:A2 output	1: Fault output	0	-	★
Fd-19	HC B-B:B1 output	2: Non-door zone stop	0	-	★
Fd-20	HC B-B:B2 output	output	0	-	★
Fd-21	HC B-B:C1 output	3: Non-service state	0	-	★
Fd-22	HC B-B:C2 output	output	0	-	★
Fd-23	HC B-B:C3 output	4: Fire emergency output	0	-	★
Fd-24	HC B-B:C4 output	5: Power failure	0	-	★
Fd-25	HC B-B:C5 output	emergency output	0	-	★
Fd-26	HC B-B:C6 output	6: Door lock valid	0	-	★
		7: Night output signal	0	-	★
Group FE: Elevator function parameters					
FE-00	Collective selective mode	0: Full collective selective 1: Down collective selective 2: Up collective selective	0	-	★
FE-01	Floor 1 display	The two high digits indicate the display code of the ten's digit, and the two low digits indicate the display code of the unit's digit.	1901	-	☆
FE-02	Floor 2 display	00: Display "0" 01: Display "1" 02: Display "2"	1902	-	☆
FE-03	Floor 3 display	03: Display "3" 04: Display "4" 05: Display "5" 06: Display "6"	1903	-	☆
FE-04	Floor 4 display	07: Display "7" 08: Display "8" 09: Display "9"	1904	-	☆
FE-05	Floor 5 display	10: Display "A" 11: Display "B" 12: Display "C" 13: Display "H"	1905	-	☆
FE-06	Floor 6 display	14: Display "L" 15: Display "M" 16: Display "P" (To be continued)	1906	-	☆

Function Code	Parameter Name	Setting Range	Default	Unit	Property
FE-07	Floor 7 display	17: Display "R"	1907	-	☆
FE-08	Floor 8 display	18: Display "-"	1908	-	☆
FE-09	Floor 9 display	19: No display	1909	-	☆
FE-10	Floor 10 display	20: Display "12"	0100	-	☆
FE-11	Floor 11 display	21: Display "13"	0101	-	☆
FE-12	Floor 12 display	22: Display "23"	0102	-	☆
FE-13	Floor 13 display	23: Display "C"	0103	-	☆
FE-14	Floor 14 display	24: Display "D"	0104	-	☆
FE-15	Floor 15 display	25: Display "E"	0105	-	☆
Floor 16 to floor 30 display		26: Display "F"			
		27: Display "I"			
		28: Display "J"			
FE-31	Floor 31 display	29: Display "K"	0301	-	☆
FE-35	Floor 32 display	30: Display "N"	0302	-	☆
FE-36	Floor 33 display	31: Display "O"	0303	-	☆
FE-37	Floor 34 display	32: Display "Q"	0304	-	☆
FE-38	Floor 35 display	33: Display "S"	0305	-	☆
FE-39	Floor 36 display	34: Display "T"	0306	-	☆
FE-40	Floor 37 display	35: Display "U"	0307	-	☆
FE-41	Floor 38 display	36: Display "V"			
FE-42	Floor 39 display	37: Display "W"	0308	-	☆
FE-43	Floor 40 display	38: Display "X"	0309	-	☆
FE-43	Floor 40 display	39: Display "Y"	0400	-	☆
FE-52	Highest digit selection 1	40: Display "Z"	0	-	☆
FE-53	Highest digit selection 2	41: Display "15"	0	-	☆
FE-54	Highest digit selection 3	42: Display "17"	0	-	☆
FE-55	Highest digit selection 4	43: Display "19"	0	-	☆
FE-56	Highest digit selection 5	(End)	0	-	☆

Function Code	Parameter Name	Setting Range	Default	Unit	Property
FE-32	Elevator function selection 1	Bit2: Re-leveling function Bit3: Door pre-open function Bit4: Stuck hall call cancellation Bit5: Night security floor function Bit6: Down collective selective peak service Bit7: Parallel/Group control peak service Bit8: Time-based service floor function Bit9: VIP function Bit11: Car call deletion Bit12: Hall call deletion Bit15: Reserved	34816	-	☆
FE-33	Elevator function selection 2	Bit1: Door open holding at open limit Bit2: Door close command not output upon door close limit Bit4: Auto reset for RUN and brake contactor stuck Bit5: Slow-down switch stuck detection Bit7: Forced door close Bit8: NO/NC output selection of shorting motor stator contactor Bit9: Immediate stop upon re-leveling Bit13: High-speed elevator protection function Bit15: Opposite door independent control	36	-	☆

Function Code	Parameter Name	Setting Range	Default	Unit	Property	
Group Fr: Leveling adjustment parameters						
Fr-00	Leveling adjustment function	0: Disabled 1: Enabled	0	-	★	
Fr-01	Leveling adjustment record 1	00000–60060	30030	mm	★	
Fr-02	Leveling adjustment record 2		30030	mm	★	
...			...			
Fr-20	Leveling adjustment record 20		30030	mm	★	
Group FF: Factory parameters						
Group FP: User parameters						
FP-00	User password	0–65535	0	-	☆	
FP-01	Parameter update	0: No operation 1: Restore default settings 2: Clear fault records	0	-	★	
FP-02	User-defined parameter display	0: Invalid 1: Valid	0	-	★	