

KEYBOARD MANUAL

F- Series

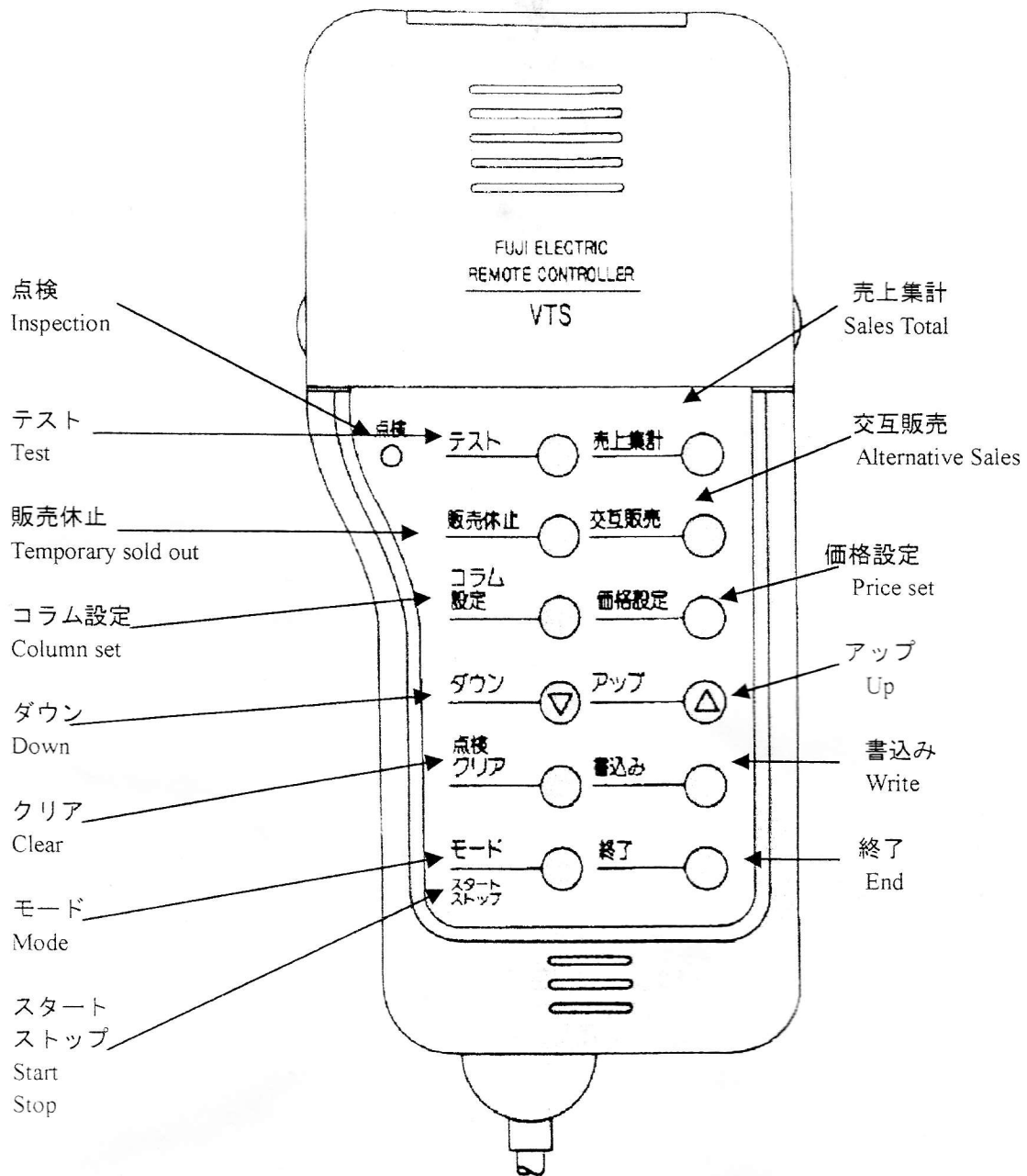
YDA55H51047CO1

SAKAUE VENDING MACHINE SDN. BHD.

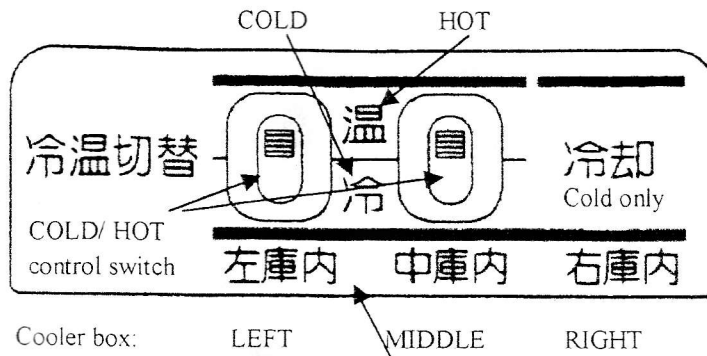
Table of contents

1.	Table of contents	Page 1
1 - 1	Keyboard layout	Page 2,3
 <u>1 Operation procedure list</u>		
1- 1	Test key	Page 4
1- 2	Sales Total key	Page 4
1- 3	Temporary sold out key	Page 4
1- 4	Alternative sales key	Page 4
1- 5	Column set key	Page 5
1- 6	Price set key	Page 5
1- 7	Inspection/ Clear key	Page 5
1- 8	Mode key	Page 6,7
 <u>2 Setting/ Checking operation</u>		
2-1-1	Single test sales	Page 8
2-1-2	Coin test sales	Page 8
2-1-3	Successive test	Page 8
2-1-4	High speeds successive test	Page 9
2 -2-1	Total sales unit, Each total sales unit check/ clear	Page 9
2-2-2	Total sales amount, Each column total check/ clear	Page 9
2-2-3	Each group total sales unit check/ clear	Page 10
2-2-4	Each group total sales amount check/ clear	Page 10
2-2-5	Sales total unit check and clear for different pricing	Page 10
2-2-6	Sales total amount check and clear for different pricing	Page 11
2-2-7	Test sales total unit check and clear	Page 11
2-2-8	Grand total sales unit check	Page 11
2-2-9	Grand total sales amount check	Page 11
2-2-10	Gland total sales all clear	Page 12
2-3-1	Temporary sold out key	Page 12
2-4-1	Alternative sales	Page 12
2-5-1	Column selection wiring set and check	Page 13
2-6-1	Price set up and check	Page 13
2-7-1	Present error check	Page 13
2-8-1	Fluorescent light timer and check	Page 14
2-8-2	Compressor power saving timer and check	Page 15
3	Error code	Page 16, 17

1- 1 Keyboard layout



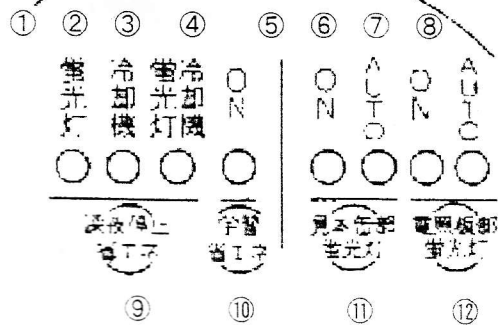
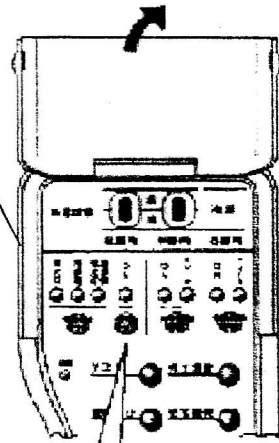
Temperature range
 Cold 3°C±2
 Hot 55°C±3



- Key
- ① 荧光灯
 - ② 冷却機
 - ③ 荧光灯
 - ④ 冷却機
 - ⑤ ON
 - ⑥ ON
 - ⑦ AUTO
 - ⑧ AUTO
 - ⑨ 深夜停止
 - ⑩ 学習
 - ⑪ 見本缶
 - ⑫ 電照板部

Fluorescent light
 Compressor
 Fluorescent light and compressor

Power saving for midnight
 Automatically power saving mode
 Show case fluorescent light
 Sign board fluorescent light



LED Lamp/ Key	Show case light	Sign board light
ON lamp is on	Always on	Always on
AUTO lamp is on	Sensor and timer	Sensor and timer
ON, AUTO lamp is off (OFF mode)	Always on	Always on

Data must impute for all power saving mode
 It is not necessary to use this function for normal operating.

1 Operation procedure list

1-1 Test Key

/Times	Digital	Subject	Setting range	All reset
1	TEST 1	Single test, Coin test		
2	TEST 2	Continue test		
3	TEST 3	High speed test		
4	TEST 4	Auto test		

1-2 Sales Total key

/Times	Digital	Subject	Setting range	All reset
1	TC C	Total sales(Terms) unit check and clear Each column total sales check and clear	0~999,999 0~999,999	0
2	TP C	Total (Terms) Sales amount check and clear Each column sales amount check and clear	0~999,999 0~999,999	0
3	GC 1	Each group total sales unit check and clear	0~999,999	0
4	GF 1	Each group total sales amount check and clear	0~999,999	0
5	PC 1	Each different price total sales unit check and clear	0~999,999	0
6	PP 1	Each different price total sales amount sales check and clear	0~999,999	0
7	H	Test sales total unit check and clear	0~999,999	0
8	AC	Not available	0~999,999	0
9	AP	Not available	0~999,999	0
10	dC	Not available	0~999,999	0
11	dp	Not available	0~999,999	0
12	rc	Total sales unit check and clear	0~999,999	
13	bc	Cash total sales unit check and clear	0~999,999	
14	cc	Not available	0~999,999	
15	rp	Total sales amount check	0~999,999	
16	bp	Cash total sales amount check and clear	0~999,999	
17	cp	Not available	0~999,999	

1-3 Temporary sold out key

/Times	Digital	Subject	Setting range	All reset
1		Temporary sold out time/ column set and check	0~24 Hours Any column	Clear
2		Temporary sold out mode set and check	0: ON 1: OFF	0: ON

1-4 Alternative sales key

/Times	Digital	Subject	Setting range	All reset
1		Alternative sales column set and check	Any column (1~10 group)	Clear

1-5 Column set key

/Times	Digital	Subject	Setting range	All reset
1		Column – Selection wiring	Any column	Copy
Inspection /Clear		Column – Selection wiring all copy		-----

1-6 Price set key

/Times	Digital	Subject	Setting range	All reset
1	120	Column – Selection wiring	Any column	Copy
2	120 (Blinking)	Not available	-----	-----

1-7 Inspection/ Clear key

/Times	Digital	Subject	Setting range	All reset
1		Present error check	Up to 16 error	-----

1-8 Mode key

Mode	Item	Subject	Setting range	All reset
1 Select	0 1	Column selection wiring patterns set and check	1: Summer 2: Winter 3: Spring / Autumn 99: Original from Manufacture
	0 2	Column selection wiring set	1 ~ n column, all copy	
	0 3	Column selection wiring check	1 ~ n column	
	0 4	Grouping column total sales set, check	Any column (1 ~ 10 group)	
	0 5	Number of successive sales	1 ~ 9, 0: No limit (Recommend 1)	1= 1 unit
	0 6	Alternative sales column set and check	Any column (1 ~ 10 group)	Clear
	0 7	Temporary sold out timer mode set and check	0: ON 1: NO	1: NO
	0 8	Temporary sold out timer / column set and check	0 ~ 24 Hour Any column	Clear
	0 9	Not available		0
	1 0	Indicator set	Please set 0	0
	1 1	Not available	Please set 0	0
	1 2	Not available	Please set 0	0
	1 3	Automatic change refund timer setting	1 ~ 30 sec. 0: No limit	0
	1 4	Permanent free vend (Free sales)	0: Free sales 1: Normal sales
	1 5	Past time error data check and clear	Up to 16 data
	1 6	Not available	
	99	All clear		
	2 Timer	0 1	Not available	
0 2		Not available	Please set 0	0
0 3		Fluorescent light power saving timer	0 ~ 23 hour 0 ~ 59 min	0000~0000
0 4		Compressor power saving	0 ~ 23 hour 0 ~ 59 min	
0 5		Present time set and check	0 ~ 23 hour 0 ~ 59 min
0 6		Present date and month set and check	
0 7		Present year set and check	50 ~ 49 (1950 ~ 2049)

Mode	Item	Subject	Setting range	All reset
2 Timer	0 8	Inside fan motor control set and check	0: OFF 1: ON	1: fun control
	0 9	Fluorescent light 1 digit: Top of inside of vending machine 10 digits: Can holder	0: Photo SW or Time is off 1: Photo SW, and Timer are off. 2: Photo SW 3: Timer	-----
	1 0	Not available		
	1 1	Fluorescent power saving (Sun. ~ Sat.)	1 ~ 7 (Sun.~Sat.) Up to 4	
	1 2	Not available		00 ~ 00
3. Technical	0 1	Not available		
	0 2	Not available		
	0 3	Not available		
	0 4	Not available		
	0 5	Not available		
	0 6	Not available		
	0 7	Inside cooler temperature adjustment	0 ~ 10(Cold) 0 ~ 7(Hot)	-----

Operating

2 - 1 Setting/ Checking operation

2-1-1 Single test sales

Step	Key to push	Digital	Subject
1	テスト	TST 1	Push 'テスト' key, all select lamp is on
2	Select button	TST 1	Push any select button for test
3	△アップ	CL 8	If you push up down key, next select button is selected
4	モード <u>スタート</u> ストップ	CL 8	Push mode 'モード' key for dispense from selected button
5	終了		Push 終了 key for normal sales mode

If you use only select button, skip step 3 and 4.

2-1-2 Coin test sales

Step	Key to push	Digital	Subject
1	テスト	TST 1	Push 'テスト' key, all select lamp is on
2	Insert coin	2 0 0	Insert coin and select button is on
3	△アップ	CL 8	If you push up down key, next select button is selected
4	モード <u>スタート</u> ストップ	CL 8	Push mode 'モード' key for dispense from selected button
5	終了		Push 終了 key for normal sales mode

If you use only select button, skip step 3 and 4.

2-1-3 Successive test

Step	Key to push	Digital	Subject
1	テスト (×2 times)	TST 2	Push 'テスト' key two times, all select lamp is on
2	Select button	TST 2	Push any select button (You can choose more than 2 select button)
3	モード <u>スタート</u> ストップ	CL 7	Push mode 'モード' key for dispense
4	モード <u>スタート</u> ストップ	CL 7	Push mode 'モード' key for pause. Push again for restart.
5		CL 7	If dispenser fond empty, it will stop automatically.
6	終了		Push 終了 key for normal sales mode

2-1-4 High speeds Successive test

Step	Key to push	Digital	Subject
1	テスト (×3 times)	TST 3	Push 'テスト' key three times, all select lamp is on
2	Select button	TST 3	Push any select button (You can choose more than 2 select button)
3	モード <u>スタート</u> <u>ストップ</u>	CL 7	Push mode 'モード' key for dispense
4	モード <u>スタート</u> <u>ストップ</u>	CL 7	Push mode 'モード' key for pause. Push again for restart.
5		CL 7	If dispenser fond empty, it will stop automatically.
6	終了		Push 終了 key for normal sales mode

2-2-1 Total sales unit, Each column total sales unit check and clear

Step	Key to push	Digital	Subject
1	売上集計	Tc 34 5678	Push '売上集計' key, front display indicates total sales unit. TC 345678 = 345678 units were sold.
2	Select button (No.7)	CL 7 CL 12 3456	Push any select button Display indicates total sales unit for select button, which you selected. CL 7 = Column 7 CL 123456 = 123456 units was sold from column 7
3	△アップ ▽ダウン		Push those keys to shift up and down for checking other column.
4	点検/クリア	Cl 8 C 0	Push '点検/クリア' for all clear, It will erase all data (Total sales amount and units) (Please push the key more than 2 sec.)
5	終了		Push 終了 key for normal sales mode

2-2-2 Total sales amount, Each column total sales amount check and clear

Step	Key to push	Digital	Subject
1	売上集計 (2 times)	TP 54 3260	Push '売上集計' key 2 times, front display indicates total sales amount TP 543260 = \$5432.60
2	Select button (No.8)	CL 8 CL 16 2350	Push any select button Display indicates total sales amount for select button, which you selected. CL 8 = Column 8 C 162350 = \$1623.50 from column 8
3	△アップ ▽ダウン		Push those keys to shift up and down for checking other column total sales amount.
4	点検/クリア	Cl 8 C 0	Push '点検/クリア' for all clear, It will erase all data (Total sales amount, units) (Please push the key more than 2 sec.)
5	終了		Push 終了 key for normal sales mode

2-2-3 each group total sales units check and clear

Step	Key to push	Digital	Subject
1	売上集計 (3 times)	CC 1 13 6453	Push '売上集計' key 3 times, front display indicates each total sales unit CC1 136453 = 136453 was sold from group 1
2	△アップ ▽ダウン		Push those keys to shift up and down for checking other each column total sales units.
3	点検/クリア	CC 2 0	Push '点検/クリア' for all clear, It will erase all data (Each group total sales amount, units) (Please push the key more than 2 sec.)
4	終了		Push 終了 key for normal sales mode

2-2-4 each group total sales amount check and clear

Step	Key to push	Digital	Subject
1	売上集計 (4 times)	GP 1 12 5430	Push '売上集計' key 4 times, front display indicates each total sales amount GP1 125430 = \$1254.30 was sold from group 1
2	△アップ ▽ダウン		Push those keys to shift up and down for checking other each column total sales amount.
3	点検/クリア	GP 2 0	Push '点検/クリア' for all clear, It will erase all data (Each group total sales amount, units) (Please push the key more than 2 sec.)
4	終了		Push 終了 key for normal sales mode

2-2-5 Sales total unit check and clear for different pricing

Step	Key to push	Digital	Subject
1	売上集計 (5 times)	PC 1 12 5430	Push '売上集計' key 5 times, front display indicates sales total unit for different sales price. PC1 125430 = 125430 units was sold from Price 1
2	△アップ ▽ダウン		Push those keys to shift up and down for checking other price total sales unit
3	点検/クリア	PC 2 0	Push '点検/クリア' for all clear, It will erase all data (Different total sales amount, units) (Please push the key more than 2 sec.)
4	終了		Push 終了 key for normal sales mode

2-2-6 Sales total amount check and clear for different pricing

Step	Key to push	Digital	Subject
1	売上集計 (6 times)	PP 1 5 6430	Push '売上集計' key 6 times, front display indicates sales total unit for different sales price. PP1 56430 = \$564.30 was sold from Price 1
2	△アップ ▽ダウン		Push those keys to shift up and down for checking other price total sales amount
3	点検/クリア	PC 2 0	Push '点検/クリア' for all clear, It will erase all data (Different total sales amount, units) (Please push the key more than 2 sec.)
4	終了		Push 終了 key for normal sales mode

2-2-7 Test sales total unit check and clear

Step	Key to push	Digital	Subject
1	売上集計 (7 times)	H 34 5678	Push '売上集計' key 7 times, front display indicates sales total unit for different sales price. PP1 56430 = \$564.30 was sold from Price 1
2	点検/クリア	H 0	Push '点検/クリア' for all clear, It will erase all data (Test total sales amount, units) (Please push the key more than 2 sec.)
3	終了		Push 終了 key for normal sales mode

2-2-8 Grand total sales unit check

Step	Key to push	Digital	Subject
1	売上集計 (12 times)	ΓC90 1234	Push '売上集計' key 12 times, front display indicates grand sales total unit ΓC 901234 = 901234 unit was sold
2	終了		Push 終了 key for normal sales mode

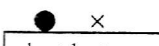
2-2-9 Grand total sales amount check

Step	Key to push	Digital	Subject
1	売上集計 (15 times)	ΓC90 1234	Push '売上集計' key 15 times, front display indicates grand sales total unit ΓC 901234 = 901234 unit was sold
2	終了		Push 終了 key for normal sales mode

2-2-10 Gland total sales all clear

Step	Key to push	Digital	Subject
1	売上集計 (12 to 17 times)	rC90 1230	Push '売上集計' key more than 12 times, front display indicates sales total unit for different sales price.
2	点検/クリア	r 0	Push '点検/クリア' for all clear, It will erase all data (Test total sales amount, units) (Please push the key more than 2 sec.)
3	終了		Push 終了 key for normal sales mode

2-3-1 Temporary sold out key

Step	Key to push	Digital	Subject
1	販売休止	H 0	Push '販売禁止' key for temporary sold out key
2	△ アップ	H 1 0	Push those keys to shift up and down for timer set
3	書込み	H 1	Push '書込み' key for timer set H 1 = 1 hour
4	 select button Both lamp is: On = On Off = Off	H 1	Push select button for temporary sold out timer Select lamp is off = Off mode Select lamp is on = On mode
5	終了		Push 終了 key for normal sales mode

This function must set both timer and select button.

2-4-1 Alternative sales

Step	Key to push	Digital	Subject
1	交互販売	Gr01	Push '交互販売' key for alternative sales mode Gr01 = Group 1 (up to 10 group)
2	Select button	Gr01	Push any select button more than 2 button Display indicates total sales amount for select button, which you selected Lamp is on = set Lamp is off = cancel
3	△アップ	Gr02	Push '△アップ' key for shift up for column number
4	点検/クリア	Gr01	Push '点検/クリア' for all clear, It will erase all alternative sales clear. (Please push the key more than 2 sec.)
5	終了		Push 終了 key for normal sales mode

All column prices must same price for Alternative sales group

2-5-1 Column selection wiring set and check

Step	Key to push	Digital	Subject
1	コラム設定	GL 1	Push 'コラム設定' key for alternative sales mode GL 1 = NO 1 column
2	Select button	GL 1	Push any select button for column 1 setting Lamp is on = set Lamp is off = cancel
3	△アップ	GL 2	Push '△アップ' key for shift up for column number
4	終了		Push 終了 key for normal sales mode

All select button must set for column

If select button indicate sold out, it is not complete setting.

2-6-1 Price set up and check

Step	Key to push	Digital	Subject
1	価格設定	110	Push '価格設定' key for price set Price = \$1.10
2	△アップ	120	Push '△アップ' key = \$0.10 up Push '▽ダウン' key = \$0.10 down
3	Select button	120	Push a select button for price \$1.20 Select button on = price is \$1.20 Select button off = other price
4	終了		Push 終了 key for normal sales mode

All select button must set price

2-7-1 Present error check

Step	Key to push	Digital	Subject
1	点検/クリア	10	Push '点検/クリア' key for error check End = no error 10 = check error code
2	△アップ	51	Push '△アップ' key for other error
4	終了		Push 終了 key for normal sales mode

After fixed present error, it will disappear automatically.

2-8-1 Fluorescent light timer set and check

Step	Key to push	Digital	Subject
1	モード <u>スタート</u> ストップ	1 - 0 1	Push 'モード' key
2	△アップ	2 - 0 1	Push '△アップ' key for mode 2
3	書込み	2 - 0 1	Push '書込み' key
4	△アップ	2 - 0 3	Set mode 3
5	書込み	0 0 0 0	Push '書込み' key for light timer starting time set
6	△アップ	2 2 0 0	Set starting time (Hour) 2200 = 22 hour 00 min.
7	書込み	2 2 0 0	Push '書込み' key
8	△アップ	2 2 1 5	Set starting time (Min.) 2200 = 22 hour 15 min. (is going to power off)
9	書込み	0 0 0 0	Push '書込み' key
10	△アップ	0 5 0 0	Set ending time (Hour.) 0500 = 5 hour 00 min. (is going to power on)
11	書込み	0 5 0 0	Push '書込み' key
12	△アップ	0 5 3 0	Set ending time (Min.) 0530 = 5 hour 30 min. (is going to power on)
13	書込み	2 - 0 3 2 2 1 5 0 5 3 0	Push '書込み' key for check fluorescent light power saving data. 2 - 03 light power saving mode 22 - 15 light power saving starting time 05 - 30 light power saving ending time
14	終了		Push 終了 key for normal sales mode

If starting time and ending time are same, it is light power saving off mode.

Time setting range is 00 hour 00 min. ~ 23 hour 59 min.

2-8-2 Compressor power saving timer set and check

Step	Key to push	Digital	Subject
1	モード <u>スタート</u> ストップ	1 - 0 1	Push 'モード' key
2	△アップ	2 - 0 1	Push '△アップ' key for mode 2
3	書込み	2 - 0 1	Push '書込み' key
4	△アップ	2 - 0 4	Set mode 4
5	書込み	0 0 0 0	Push '書込み' key for compressor power saving timer starting time set
6	△アップ	2 0 0 0	Set starting time (Hour) 2000 = 20 hour 00 min.
7	書込み	2 0 0 0	Push '書込み' key
8	△アップ	2 0 3 5	Set starting time (Min.) 2235 = 20 hour 35 min. (is going to power off)
9	書込み	0 0 0 0	Push '書込み' key
10	△アップ	0 6 0 0	Set ending time (Hour.) 0600 = 6 hour 00 min. (is going to power on)
11	書込み	0 6 0 0	Push '書込み' key
12	△アップ	0 6 4 5	Set ending time (Min.) 0645 = 6 hour 45 min. (is going to power on)
13	書込み	2 - 0 4 2 0 3 5 0 6 4 5	Push '書込み' key for check compressor power saving time data. 2 - 04 compressor power saving mode 20 - 35 compressor power saving starting time 06 - 45 compressor power saving ending time
14	終了		Push 終了 key for normal sales mode

If starting time and ending time are same, it is compressor power saving off mode.

Time setting range is 00 hour 00 min. ~ 23 hour 59 min.

3. Error code

Error code	Error contents	Communication error
10	Coin acceptor communication error	Coin acceptor error
11	Coin acceptor communication error	Coin acceptor error
12	Coin acceptor communication error	Coin acceptor error
13	Coin acceptor communication error	Coin acceptor error
14	Coin acceptor communication error	Coin acceptor error
15	Return switch error	Coin acceptor error
16	Coin pay out system error	Coin acceptor error
17	Safety switch error	Coin acceptor error
18	Pay out checking switch error	Coin acceptor error
19	Acceptor error	Coin acceptor error
20	Empty switch error	Coin acceptor error
21	Empty switch error	Coin acceptor error
22	Empty switch error	Coin acceptor error
23	Empty switch error	Coin acceptor error
24	Coin acceptor cash box full signal error	Coin acceptor error
25		Coin acceptor error
26		Coin acceptor error
27		Coin acceptor error
28		Coin acceptor error
30	Selection relay is not ON	Vend system error
31	Vend relay is not ON	Vend system error
32	Vend relay is not OFF	Vend system error
34	Selection switch error	Vend system error
37		Vend system error
38		Vend system error
50	Time data error	Setting data error
51	Memory data error	Setting data error
52		Setting data error
60	Communication line short	Communication error
61	Selection indicator section communication error	Communication error
62	Products delivery system communication error	Communication error
64	Printer communication error	Communication error
65	Data in/out communication error	Communication error
66	Display communication error	Communication error
67	Key board communication error	Communication error
71	Bill acceptor communication error	Communication error
73	Card system communication error	Communication error
75	NICE card system communication error	Communication error
77	Temperature control communication error	Communication error
80	Bill stuck	Bill acceptor error
81	Bill pay out error	Bill acceptor error
82		Bill acceptor error
83		Bill acceptor error
84		Bill acceptor error
85		Bill acceptor error
86		Bill acceptor error
100	Card system error	Card system error
101	Card stuck	Card system error
102	R/W head error	Card system error
104	Card return error	Card system error
106	Card pull out	Card system error
130	Printer error	Printer system error
131	Printer error	
230	Not able to dispense products	EA error
231	Not able to dispense products, All stop	EA error

232	Lifter lock	EA error
250	Cold/ Hot error	Cold/ Hot control system error
251	Temperature sensor 1 error	Cold/ Hot control system error
252	Temperature sensor 2 error	Cold/ Hot control system error
253	Temperature sensor 3 error	Cold/ Hot control system error
254	Temperature sensor 4 error	Cold/ Hot control system error
255	Temperature sensor 5 error	Cold/ Hot control system error
256	Temperature sensor 6 error	Cold/ Hot control system error
257	Temperature sensor 7 error	Cold/ Hot control system error
258	Temperature sensor 8 error	Cold/ Hot control system error
290	Elevator motor lock	Conveyer error
291		Conveyer error
292		Conveyer error
293		Conveyer error
294		Conveyer error
295		Conveyer error
296		Conveyer error
297		Conveyer error
298		Conveyer error
299		Conveyer error