

**SINEE EM 730**

: : 31010214  
: 2021  
: 100

EM730  
SINEE.

3-

(VF)

(SVC)

WiFi

**EM 730:**

- ;
- Wi-Fi ;
- ;
- 
- 50 °C;
- ;
- :

**730**





:


1. <span style="float: right;">!</span>
2. <span style="float: right;">!</span>


1. <span style="float: right;">!</span>
2. <span style="float: right;">,</span>
3. <span style="float: right;">.</span>


:



1. <span style="float: right;">,</span>
2. <span style="float: right;">:</span>
3. <span style="float: right;">,</span>
4. <span style="float: right;">,</span> (U, V, W) .
5. <span style="float: right;">.</span>


1. <span style="float: right;">.</span>
2. <span style="float: right;">+ -</span>
3. <span style="float: right;">.</span>


4.	LC/RC
5.	
6.	

:


1. (U, V, W) ; (R, S, T)
2.


1.
2.

:


1.
2. ; (R, S, T)
3.
4.



5 MΩ.

50

EM 730

f 1000 ( 1% 100 3000 ;  
1.5% 50 °C, 1 °C 60 °C).

	.....	1
	.....	2
1	.....	8
2	.....	12
3	.....	19
4	.....	31
5	.....	38
6	.....	46
7	.....	55
8	.....	57
9	.....	60

## 1

## 1.1

## EM730

- :  
3 AC 340-460 , 1 AC 200V-240 ;
- :  
( EM730 ).  
EM730 . 1-1.  
1-1 EM730

		( )	(A)	" (A)"
AC 200V~240V	EM730-0R4-2B	0.4	2.8	3.2
	EM730-0R7-2B	0.75	4.8	5.0
	EM730-1R5-2B	1.5	8	8.5
	EM730-2R2-2B	2.2	10	11.5
AC 340~460V	EM730-0R7-3B	0.75	2.5	3
	EM730-1R5-3B	1.5	4.2	4.6
	EM730-2R2-3B	2.2	5.6	6.5
	EM730-4R0-3B	4.0	9.4	10.5
	EM730-5R5-3B	5.5	13	15.7
	EM730-7R5-3B	7.5	17	20.5
	EM730-011-3B	11	25	28
	EM730-015-3B	15	32	36
	EM730-018-3B	18.5	38	41.5
	EM730-022-3B	22	45	49
	EM730-030-3/3B	30	60	70
	EM730-037-3/3B	37	75	85
	EM730-045-3	45	90	105
	EM730-055-3	55	110	134
	EM730-075-3	75	150	168
	EM730-090-3	90	176	200
	EM730-110-3	110	210	235
EM730-132-3	132	253	290	
EM730-160-3	160	304	340	



★

★

★

EM730

1-2.

T

1-2

EM730

		3	340 -10%	460 +10%,
		1	200 -10%	240 +10%; 50 ±5%; : <3%
		100%		S1
				150% 60 ;
		180%	10 ; 200%	2 ;
				120% 60 ;
		150%	10 ; 180%	: 2
		V/F		(SVC)
		0.00~600.00		/0.0~3000.0
				: 0.01Hz/0.1
				: 0.1%
				1:50 (VF), 1:200 (SVC)
				±0.2%

EM730

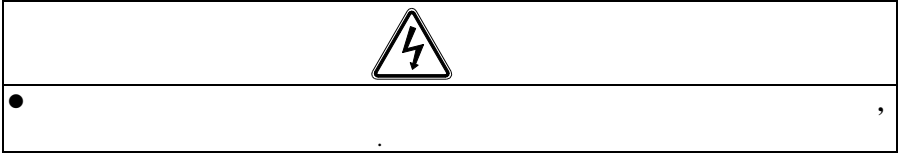
		0.01    600.00 / 0.1    6,000.0 / 1    60,000
	-	: 20% to 100%, : 1    600 / 3,000
		V/F .
		150%/1 (VF) 150%/0.25 (SVC)
		±5% (SVC)
		.
		.
		: 0.01 : 0~30 : 0%    150%
		.
		10 /20 A
		24 /100 A
		5 : X1~X5 X5 ( . 100 ).
		2 : AI1 : -10 to 10 ; AI2 : 0 10V 0 20 ;

EM730

		: 50 mA; : 250VAC/3A 30VDC/1A, EA-EC: ; EB-EC:
		M1: 0-10 /0-20 A
	LED	.
		,
		1
		1 , 1% 100 . 3 .
		-10°C +50°C, 5% 95% 50°C, 3% 1°C 60°C.
		0,5g
		-40°C ~ +70°C
		IP20/IP21 ( )

## 2

## 2.1

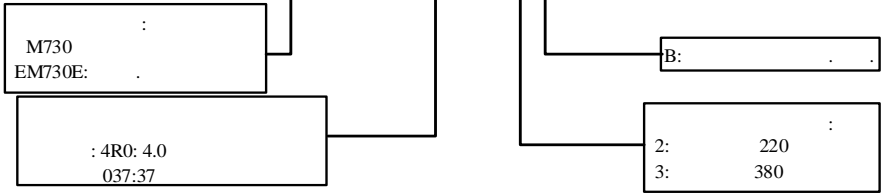


2-1.

2-1

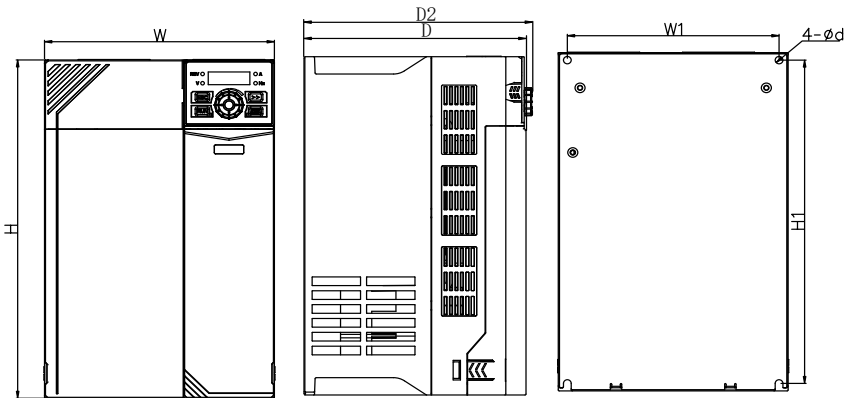
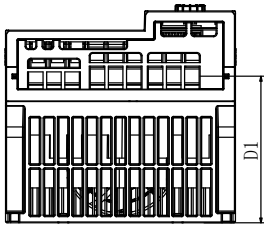

<b>Преобразователь</b> <b>частоты SINEE</b>		
Модель	EM 730-1R5-3B	
Входное напряжение	3Ф*380В	
Выходное напряжение	3Ф*380В	
Мощность	1,5кВт	
 01182309112006163001 100		
Импортёр: ООО «Гирос». Адрес: Моск. обл., г. Мытищи, ул. Колпакова, д 2, к. 1, оф. 227		

# EM730-4R0-3B



## 2.2

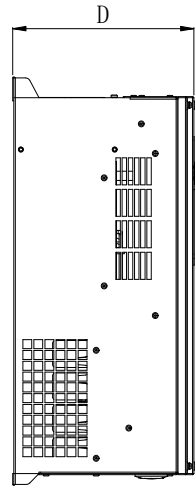
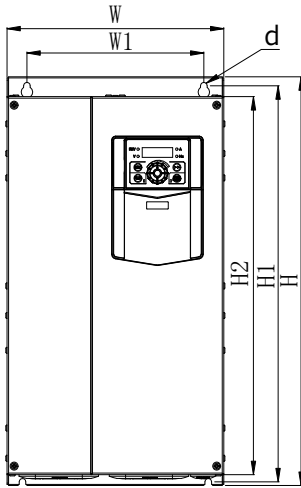
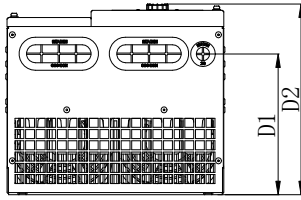
EM730 25 , 2  
10 , . 2-1 2-2.



(a)

EM730-0R7-3B EM730-022-3B

EM730

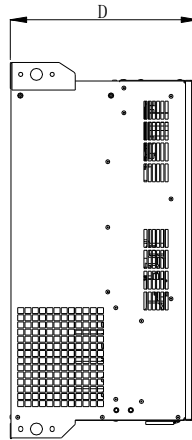
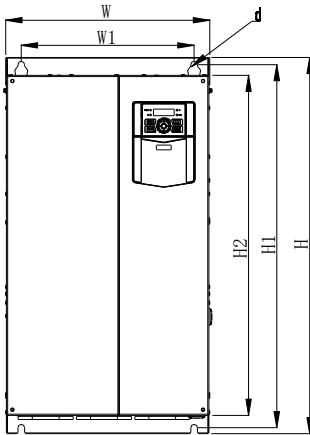
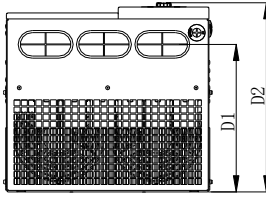


(b)

EM730-030-3B

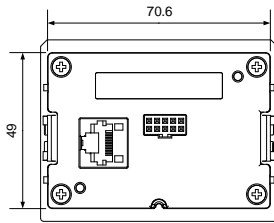
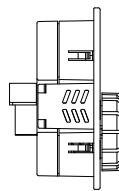
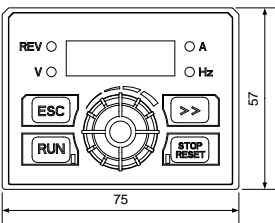
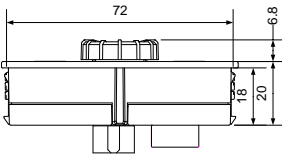
EM730-075-3

EM730



(c)

EM730-090-3 EM730-160-3



(d)

.2-1

EM730  
EM730

## EM730

2-2

EM730

	W	W1	H	H1	H2	D	D1	D2	d
EM730-0R4-2B	75	65	142	132		146	67	152	4.5
EM730-0R7-2B									
EM730-1R5-2B	93	82	172	163		136	85	141	4.7
EM730-2R2-2B									
EM730-0R7-3B	75	65	142	132		146	67	152	4.5
EM730-1R5-3B									
EM730-2R2-3B	93	82	172	163		136	85	141	4.7
EM730-4R0-3B									
EM730-5R5-3B	109	98	207	196		154	103	160	5.5
EM730-7R5-3B									
EM730-011-3B	136	125	250	240		169	115	174	5.5
EM730-015-3B									
EM730-018-3B	190	175	293	280		184	145	189	6.5
EM730-022-3B									
EM730-030-3	245	200	454	440	420	205	156	212	7.5
EM730-030-3B									
EM730-037-3									
EM730-037-3B									
EM730-045-3	300	266	524	508	480	229	174	236	9
EM730-055-3									
EM730-075-3	335	286	580	563	536	228	177	235	9
EM730-090-3	335	286	630	608	570	310	247	317	11
EM730-110-3									
EM730-132-3	430	330	770	747	710	311	248	319	13
EM730-160-3									



## 2.3

### 2.3.1

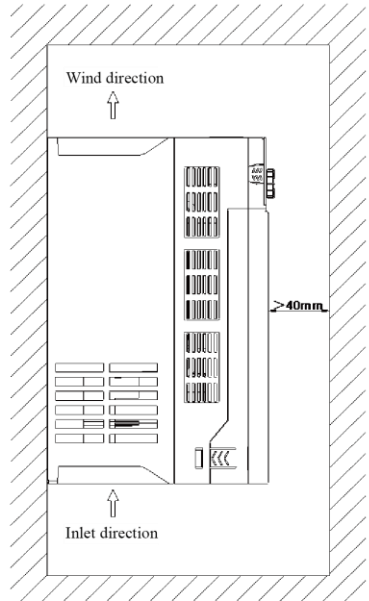
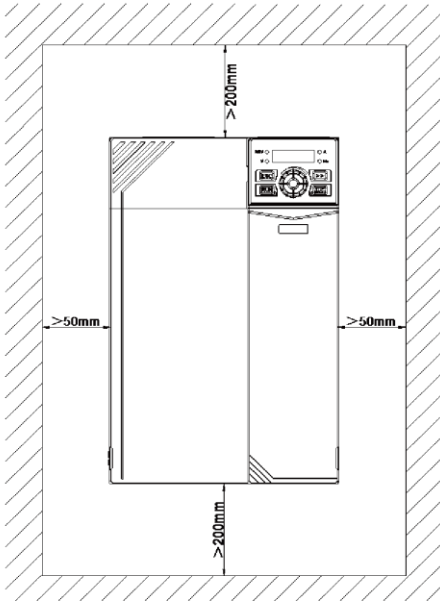
- 1.
2. -10 50 40°C,
3. ( 90%RH)
- 4.
- 5.
- 6.
- 7.
- 8.

### 2.3.2

## 2.4

EM730-1R5-3B

. 2-2.



.2-2

## Глава 3 Подключение

### 3.1 Подключение периферийных устройств

Стандартное подключение частотного преобразователя EM730 и периферийных устройств показано на рис.3-1.

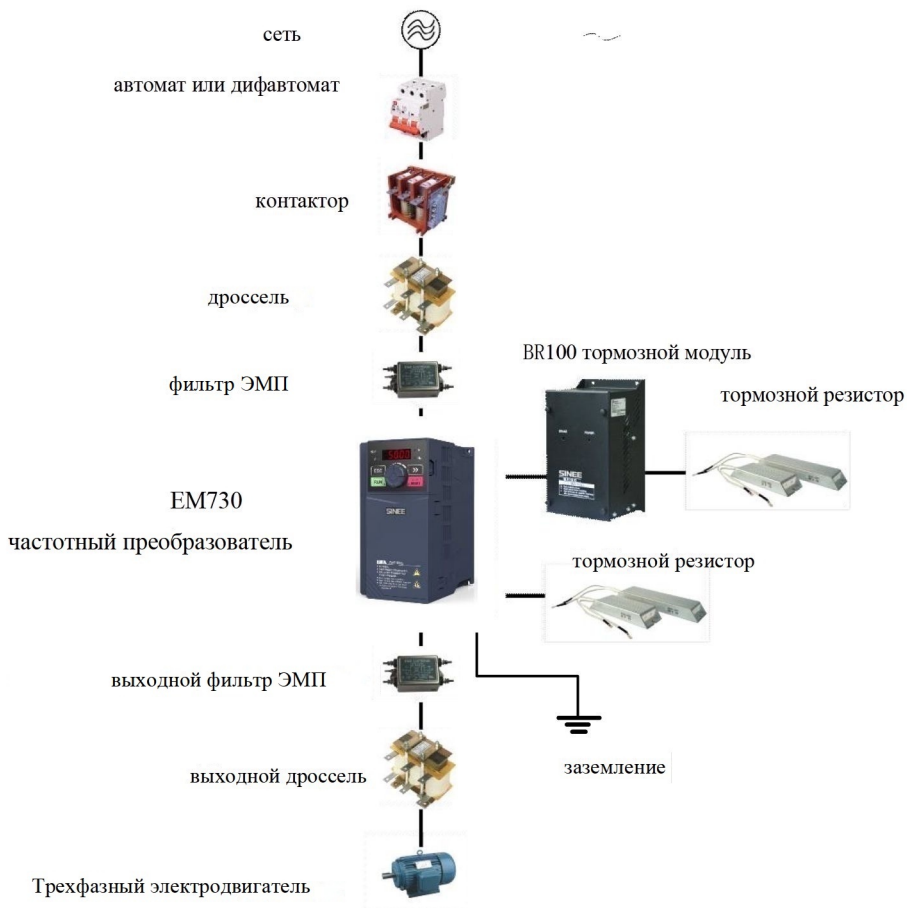
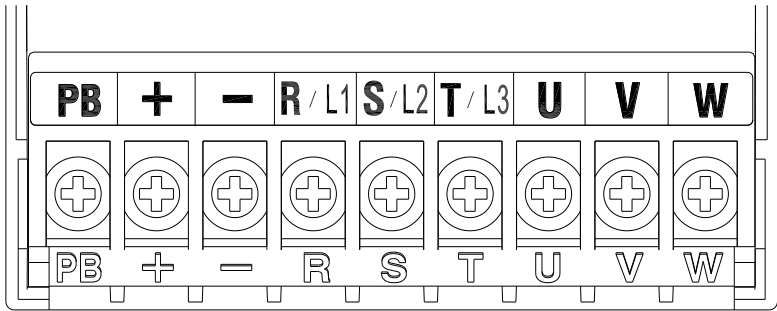


Рис .3- 1 Подключение ПЧ и периферийных устройств

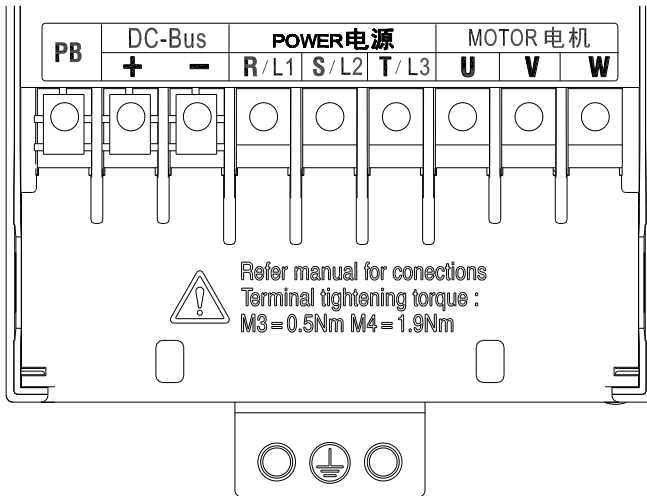
## 3.2

## 3.2.1



a)

(380 , 0.75 -1.5 )



b)

(380 , 2.2 -4.0 )

- |    |         |    |
|----|---------|----|
| 1: | 45-160  | PB |
| 2: | 132-160 | P  |

3.2.2

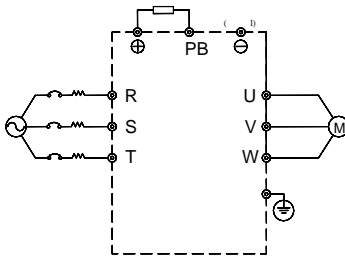
EM730

R/L1, S/L2, T/L3	2- 3- ) ( 3-
U, V, W	3-
⊕ ⊖	,
⊕, PB	PB ⊕
P, ⊕	EM730/EM730E-090-3
⊖	

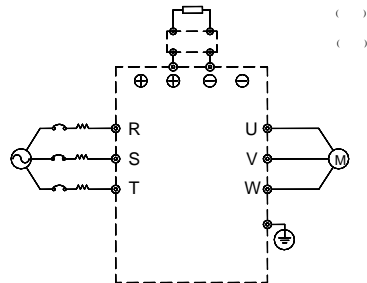
3.2.3

3.3.

730

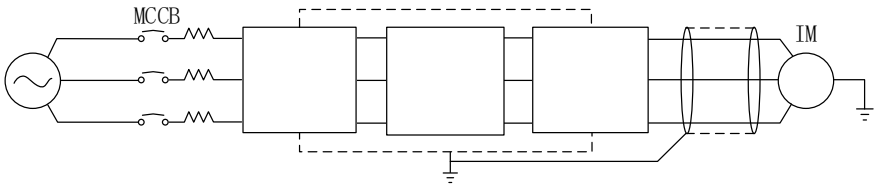


.3-3



3.2.4

.3-4.



.3-4

3.2.5

3.2.6

8

(+) PB.

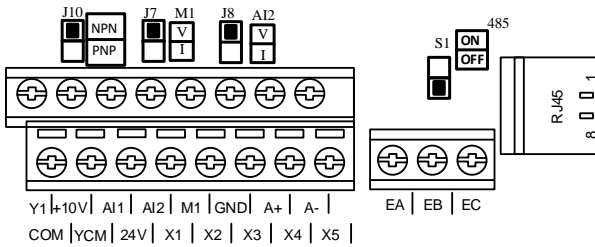
(+ -)

(+ -)

r PB+ PB-

3.3

3.3.1



.3-11

1

: YCM Y1

Y1

YCM COM

3.3.2

	24		+24

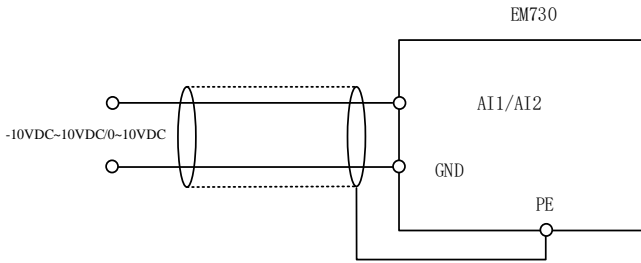
			100 A.
	COM	( )	( ) +24 ,
	10V		10 : 10.5±0.5 /20 A,
	GND	( )	( )
	AI1		-10 10 , 50 Ω ,
	AI2		: 0/4-20 A 0-10
	M1	/	0-10 /0-20 A; : ±2%
	X1		PNP NPN , NPN X5 c 100 .
	X2		
	X3		
	X4		
	X5		
	Y1		
	YCM	Y	YCM Y

			COM
	A+	RS485	RS485
	A-		of RS485
	EA		EA-EC: NO EB-EC: NC
	EB		
	EC		
	RJ45		

3.3.3

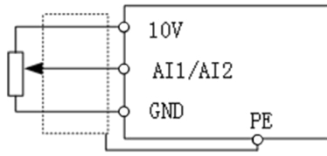
AI1 AI2

, AI2 J8 V, . 3-11. , AI1 AI2 . 3-12-a. , AI1 AI2 . 3-12-b. , F02.62 ( AI1 ) F02.63 ( AI2 ) (0: 0-10 ; 1: 4-20 A; 2: 0-20 A; 4: 0-5 ).



(a)





(b)

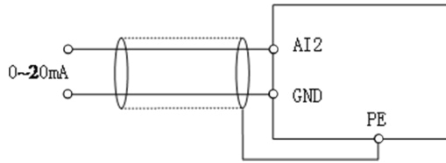
.3-12

AI1/AI2

2 :

AI2

J8



.3-13

2

3.3.4

EM730 series

PNP

X1-X5

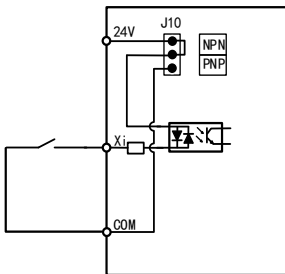
NPN

NPN

(NPN)

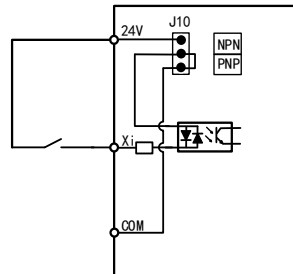
PNP

J10



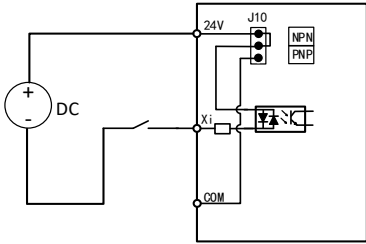
a:

NPN

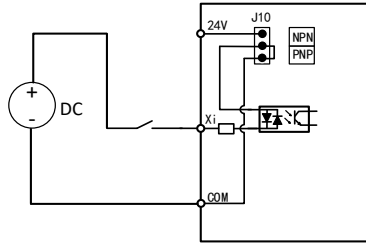


b:

PNP



c: NPN



d: PNP

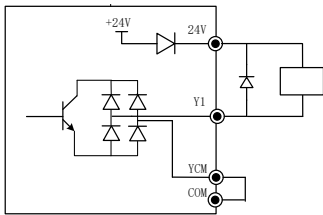
. 3-14

3.3.5

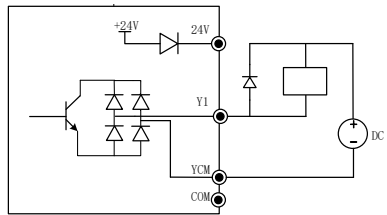
Y1

24

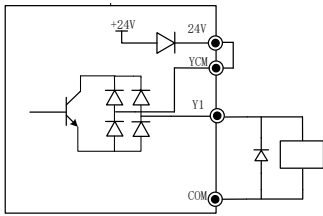
. 3-15:



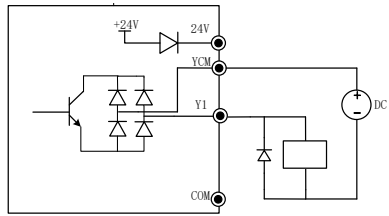
a: NPN



b: PNP



a: PNP



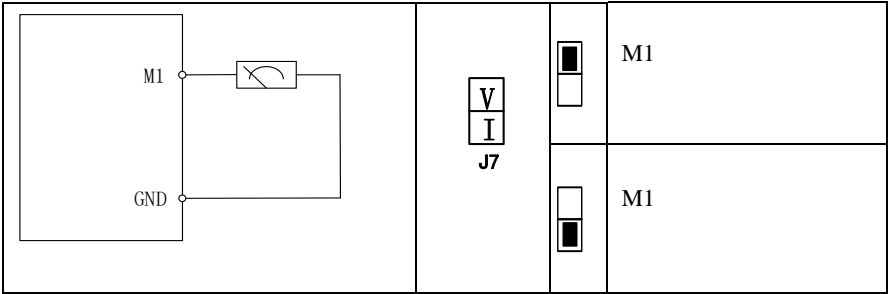
b: PNP

.3-15

: (I)

3.3.6

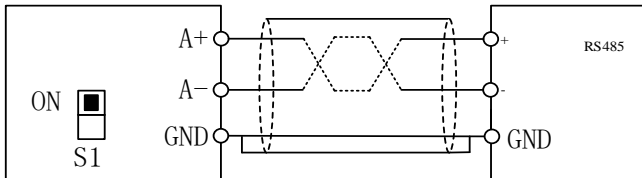
1  
J7  
(0-20 A) (0-10 ). F03.34 (0: 0-10 ; 1:  
4-20 A; 2: 0-20 A).



3.3.7

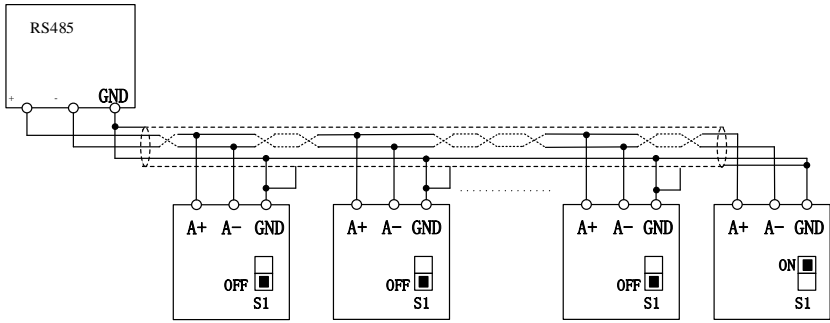
485

A+ and A- RS485  
( )  
RS485  
RS485/RS232 EM730 . 3-16, . 3-17 and . 3-18.  
● RS485:

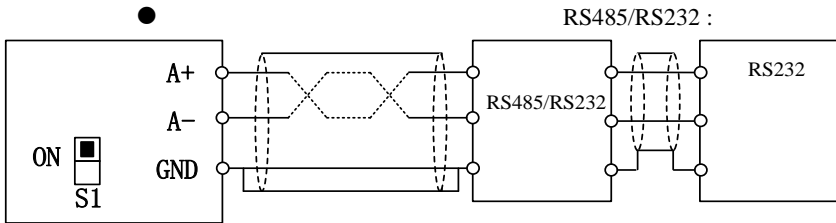


.3-16

RS485:



3-17



3-18

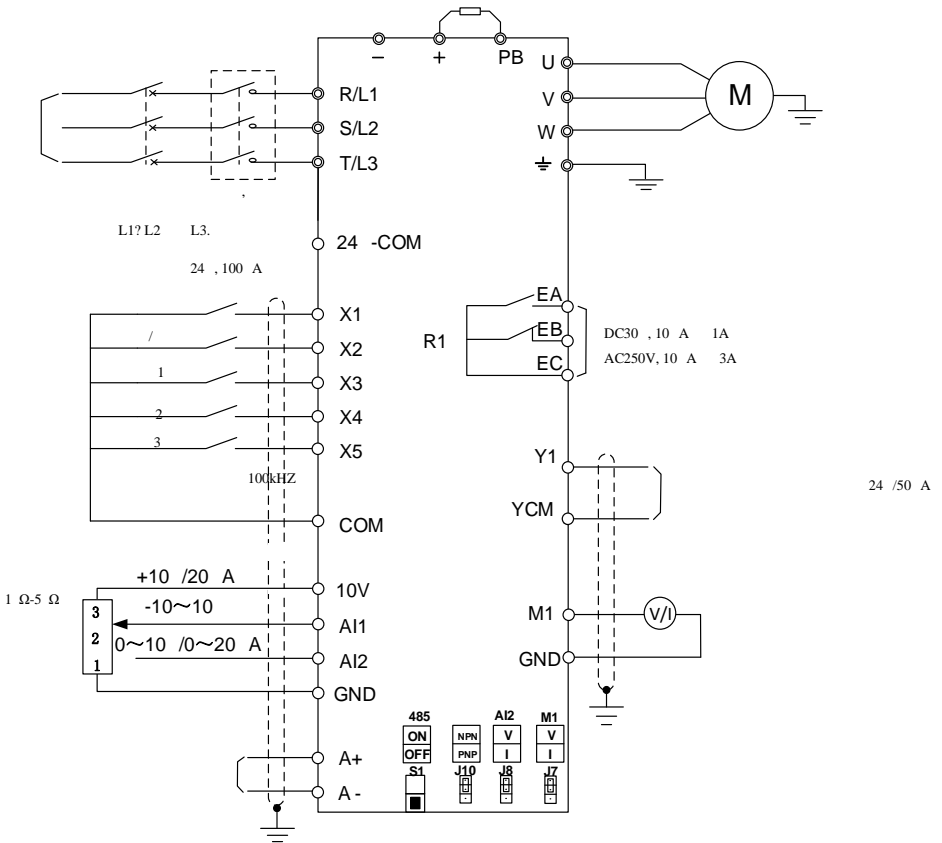
3.3.8

- 
- 
- 
- 
- 

EA, EB, EC, Y1

50

3.3.9



. 3-19

- 
- 

of 0.5-1 <sup>2</sup> .

PH0 Phillips.

0,5 \* .

3.4

- 1)
- 2)

3) RJ45,

. RJ45.  
3 .

Cat5E

10 .

# 4

## 4.1

### 4.1.1

### LED

EM730 -

LED






LED







. 4-1

LED

### 4.1.2

Key/Indicator		
		
		
		
	Stop/Reset	Reset
	/	

		
		ON OFF ON
 (Green)		It is ON when the inverter is running, flickering when the inverter is being stopped, and OFF after the inverter is stopped.
 (Red)		When the inverter is in the protection status, this indicator will be ON in red.



4.2

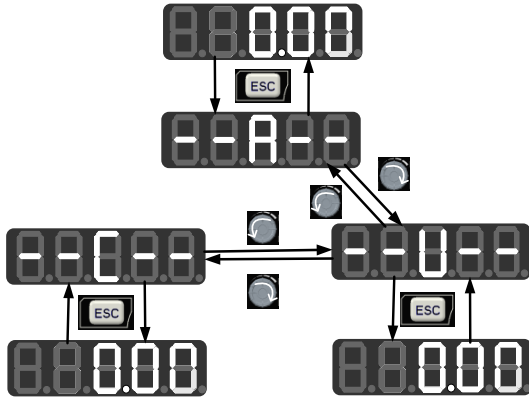
( 1), ( 0),  
 ( 3) ( 2)  
 : (---P---),  
 ; (---U---),  
 , F11; (---E---),  
 ;  
 (---E---): ;  
 (---P---): .  
 0.

1



. 4-2.





. 4-2

4.2.1

(←A→)

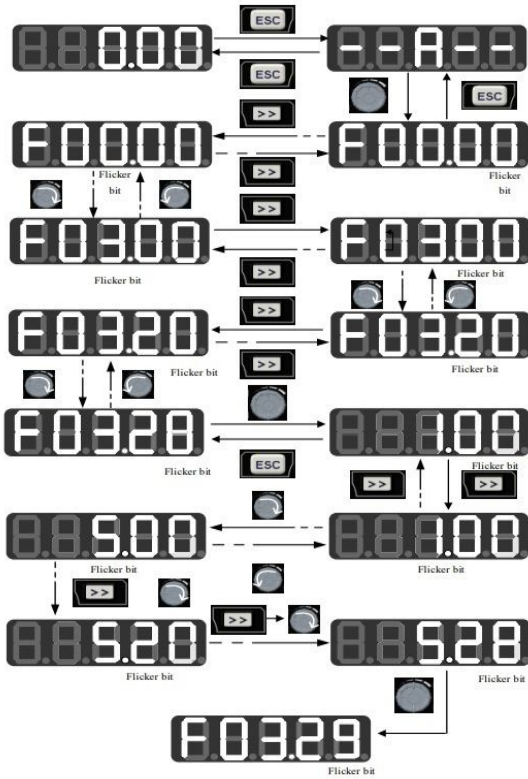
,

ENTER   
ENTER

2 menu,  
3 ,

F03.28 = 5.28

. 4-3.



. 4-3

F03.28=5.28

ENTER

:

3

ESC

4.2.2

(--[--)

ENTER

2.

F00.00.



2

3



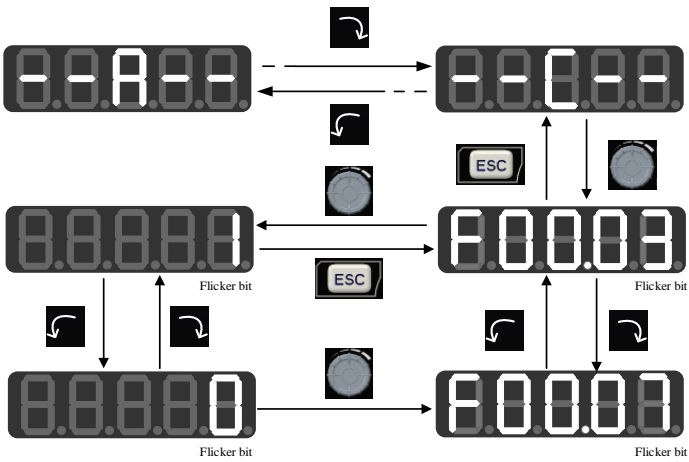
F00.03=1 F00.07=40.00

F00.03.



F00.07;

F00.03,




. 4-4

### 4.3










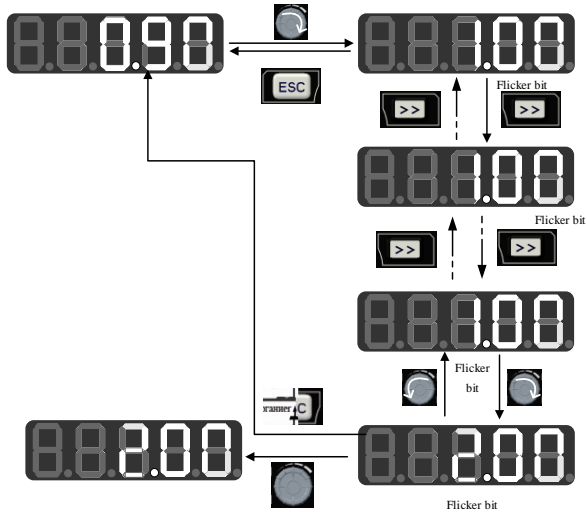
4.4 O

4.4.1

1 EM730,  
F12.33 F12.37. F12.32=1, 1.  
1 ,   
F12.33 and F12.37. ,  
, F12.33. ,  
, F12.34.

4.4.2

F00.04 “0: F00.07”,   
;  
F00.04 = “8: ”,   
F12.42 .   
2  
  
ENTER   
   
. 4-6



. 4-6

#### 4.5 /



#### 4.6

##### 4.6.1 P-ON

P-ON

##### 4.6.2 P-OFF

250 ( ) ,

P-OFF ,

5 , P-OFF

P-ON

##### 4.6.3 SOFTE

SOFTE.

## 5

## 5.1



5.2

	(R, S, T)
	(U, V, W).
	. 3-3 .

5.3

LED

	0.00	0.00
	Exx	6.

5.4

F16.00

EM730 Enter

5.5

F00.02		0: 1: 2:	0	○

**F00.02=0:**

RUN STOP  
RUN.

LED

**F00.02=1:**

F02.00 to F02.04.

F00.03.

**F00.02=2:**

RS485.

F04.00		0: 1:	0	○

**F04.00=0:**

F04.04=0)

F04.07=0).

**F04.00=1:**

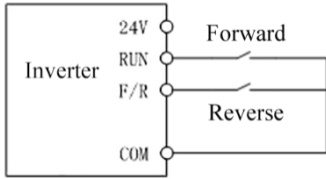
F04.19		0: 1:	0	○

**F04.19=0:**

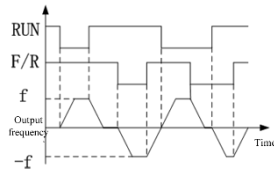
[ : F00.15 ( 1)].  
**F04.19=1:**





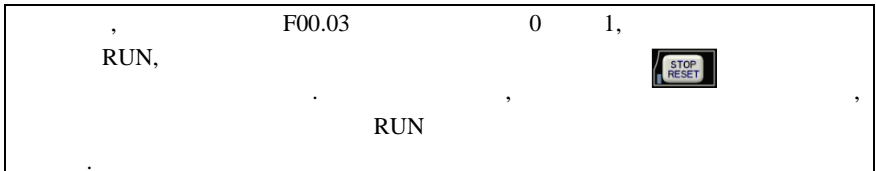


(c) F00.03=1

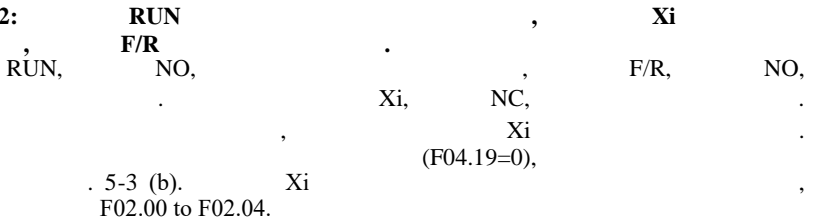


(d) F04.19=0, F00.03=1:

Fig. 5-2

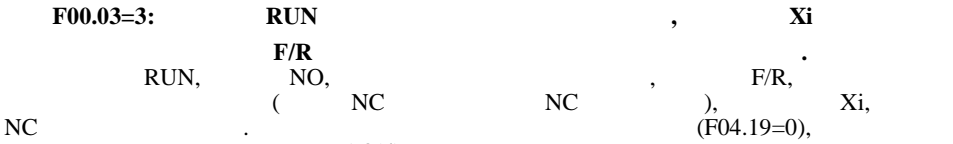


F00.03=2:



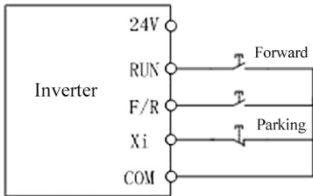
5-3 (b).  
F02.00 to F02.04.

F00.03=3:



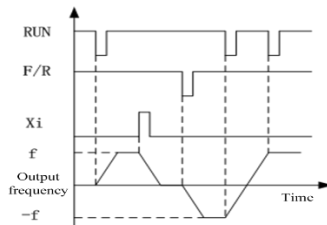
NC

5-3(d).



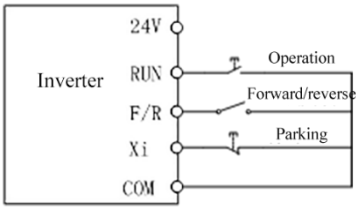
(a)

(F00.03=2)

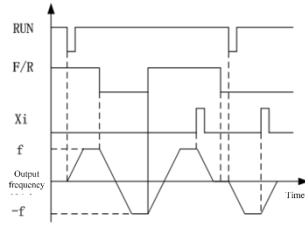


(b)

(F04.19=0, F00.03=2)



(b)



(F00.03=3) (d)

(F04.19=0, F00.03=3)

.5-3



5.6

F00.01	1	0: V/F (VVF) 1: (SVC)		0	○
F00.04	A	0: F00.07 1: AI1 2: AI2 5: (X5) 6: % 7: 8:		0	○
F00.07		0.00 F00.16		0.00	●
F00.14	1	0.00~650.00 (F15.13=0)		15.00	●
F00.15	1	0.00~650.00 (F15.13=0)		15.00	●
F00.16		1.00~600.00		50.00	○
F00.18		F00.19 F00.16		50.00	●
F00.19		0.00 F00.18		0.00	●
F00.21		0: 1:		0	○

:

F02 F03.

5.7

F01.34=01		
F01.34=11		
F01.34=02		
F01.34=12		

5.7.1

(F00.02 = 0)

1	F01.00 F01.02 F01.04 F01.06:	F01.01	F01.03 F01.05	" " " "
2	F14.00 F14.02 F14.04 F14.06:	F14.01	F14.03 F14.05	" " " "

F01.34=1 RUN.

F01.34=2 RUN.

F01.34=11 RUN.

EM730 Series Inverter

---

F01.34=12

RUN.

2-

2

F14

F14.34.

## 6

## 6.1

EM730

<i>E01</i>		1. 2. 3. 4. 5. 6.	1. 2. 3. 4.
<i>E02</i>		1. 2. V/F V/F. 3. 4. 5. 6. 7.	1. 2. V/F. 3. 4. 5. 6. 7.
<i>E04</i>		E02	E02
<i>E05</i>	U	1.	1.

		2. 3. 4. 5.	2. 3. 4. 5. F15.30 = 1,
<i>E06</i>		1. 2. 3. 4.	1. 2. 3.
<i>E07</i>		1. 2.	1. 2. 3. 4.
<i>E08</i>		1. U, V W	1. 2. 3.
<i>E09</i>		1. 2. V/F 3. 4.	1. 2. V/F. 3. 4.
<i>E 10</i>		1. 2.	1.

		3.	2.
			3.
<i>E 11</i>		1.	1.
<i>E 13</i>		1. 2. V/F 3.	1. 2. V/F. 3.
<i>E 14</i>		1.	1.
<i>E 15</i>		1. 2.	1. STOP/RESET 2. F10.56 = 11
<i>E 16</i>		1. 2.	1. F10.03 = 0.0 2. F10.03 3.
<i>E 17</i>			1. 2.
<i>E 18</i>		1. 2. 3. 4. 5.	1. 2. 3. 4.
<i>E 19</i>			1.



<i>E20</i>		1. 2. 3.	1. 2. 3.
<i>E21</i>	PID	1. PID (F09.24) (F09.25),	1. PID 2. 3.  PID.
<i>E24</i>		1. STOP/RESET 2. 3. 4. 5.	1. STOP/RESET 2. 3. 4. 5.
<i>E26</i>		1. 2. 3.	1, 2 3 F07.22 F07.23.
<i>E27</i>		1.	1.
<i>E28</i>		1.	1.
<i>E44</i>		1.	1. 2.
<i>E57</i>		1. PID	1. 2.

			3.
<i>E58</i>		1. T PID	1. 2. 3.
<i>E76</i>		1. 2.	1. 2. 3.

STOP/RESET



“E”.

o “EXX”

“XX”.

, E01

1, E10

10.

" "	
<i>P.-ON</i>	
<i>P.-OFF</i>	
<i>Soft.E</i>	SOFTE

## 6.2

6.2.1

●

●

F12.02 = 1 2,

F12.02 = 0.

6.2.2

●



■

: F00.02.

■

FRS COM:

FRS COM.

■

■

■

0.

■

●

RUN F/R

■

:

■

FRS=ON:

F00.02.

FRS=OFF.

■

:

■

0.

●

:

F00.21 =1,

●

### 6.2.3

●

●

### 6.2.4

●

■

■

(F15.32)

■

●

■

(F07.07),

F07.07,

■

### 6.2.5

●

( ).

(F00.23).

■

■

■

■

■

■

C

3.

### 6.2.6

●

30 A.

200 A

0.1 .

### 6.2.7

●

(F00.23)

●

(F05.13),

●

PID

P, Ti

Td

PID

PID.

### 6.2.8

●

■

(F04.21).



(F04.22).

**6.2.9**



;

F00.16, F00.17 F00.18.

7

7.1

7-1 10 LED

7-1

		( 4-6 / <sup>2</sup> ).
	20000	
		( : 4-6 / <sup>2</sup> ). r

7-2

	( )
	2-3
	4-5
	5-8

: 30°C.

: 80%.  
: 12 .

## 7.2

18

●

●

●

●



## 8

## 8.1

$P_b = P \times D$

$$P_b = P \times D$$

$D = 10\%$

$$D = 10\%$$

$$D = 5\%$$

$$D = 10\% \quad 15\%$$

$$D = 5\% \quad 20\%$$

$$D = 10\% \quad 20\%$$

$$D = 50\% \quad 60\%$$

$$D = 50\% \quad 60\% \quad -$$

100

EM730

10% 20%

/

1	)	(Ω)	( )	( <sup>2</sup> )
EM730-0R4-2B	0.4	≧360	≧200	1
EM730-0R7-2B	0.75	≧180	≧400	1.5
EM730-1R5-2B	1.5	≧180	≧400	1.5
EM730-2R2-2B	2.2	≧90	≧800	2.5
EM730-0R7-3B	0.75	≧360	≧200	1
EM730-1R5-3B	1.5	≧180	≧400	1.5
EM730-2R2-3B	2.2	≧180	≧400	1.5
EM730-4R0-3B	4	≧90	≧800	2.5
EM730-5R5-3B	5.5	≧60	≧1000	4
EM730-7R5-3B	7.5	≧60	≧1000	4
EM730-011-3B	11	≧30	≧2000	6
EM730-015-3B	15	≧30	≧2000	6
EM730-018-3B	18.5	≧30	≧2000	6
EM730-022-3B	22	≧15	≧4000	6
EM730-030-3B	30	≧10	≧4000	6
EM730-037-3B	37	≧10	≧6000	6

## 8.2

EM730 (EM730-045-3),  
BR100 ( : 18.5-160 ).

		(Ω)	I <sub>av</sub> (A)	I <sub>max</sub> (A)	( )
BR100-045		10	45	75	18.5 - 45
BR100-160		6	75	150	55 - 160

★ BR100-160 ,

D=33%.

D>33%,

;

## 8.2.1

>400VDC

3

	$I_{av}(A)$	$I_{max}(A)$	$(mm^2)$
BR100-045	45	75	10
BR100-160	75	150	16
BR100-315	120	300	25

( )

( )

2

### 6.3 Wi-Fi

730

Wi-Fi

: EM730-WIFI.

Wi-Fi

EM730.

Wi-Fi



9

9.1

EM730

21

F18

F19 -

3

F00		P61	F01	1	P64
F02		P65	F03		P69
F04	/	P71	F05	V/F	P73
F06		P75	F07		P80
F08		P83	F09	PID	P88
F10		P90	F11		P92
F12		P92	F13		P95
F14	2	P96	F15		P96
F16		P100	F17	I/O	P101
F18		P101	F19		P103
F27	/	P105			



0.

## 9.2

F00					
F00.00					
F00.01	1	0: V/F (VVF) 1: (SVC)		0	○
F00.02		0: (LOC/REM : ON) 1: (LOC/REM : OFF) 2: (LOC/REM : )		0	○
F00.03		0: RUN ( ) F/R ( / ) 1: RUN (f ) F/R ( ) 2: RUN ( ), Xi ( ) and F/R ( ) 3: RUN ( ), Xi ( ) and F/R ( / )		0	○
F00.04		0: F00.07 1: AI1 2: AI2 3: 4: 5: (X5) 6: (%) 7: ( ) 8:		8	○
F00.05	B	0: F00.07 1: AI1 2: AI2 3: 4: 5: (X5) 6: (%) 7: ( ) 8: 9: 10: 11:		0	○
F00.06		0: A		0	○

EM730

		1: B 2: . . F00.08 3: B 4: A 5: B 6: ( B + )			
F00.07		0.00 F00.16		50.00	●
F00.08		0: A+ 1: B A - 2: B 3:		0	○
F00.09	( F00.05)	0: 1: A		0	○
F00.10		0.0~300.0	%	100.0	●
F00.11		0.0~300.0	%	100.0	●
F00.12		0.0~300.0	%	100.0	●
F00.13		0: 1: AI1 * s 2: AI2 * 3: 4: 5: (PULSE)*		0	○
F00.14	1	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		15.00	●
F00.15	1	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		15.00	●
F00.16		1.00~600.00/1.0~3000.0		50.00	○
F00.17		0: F00.18		0	○

## EM730

		1: AI1 2: AI2 3: 4: 5: (X5) 6: (%) 7: ( )			
F00.18		F00.19 F00.16		50.00	●
F00.19		0.00 F00.18		0.00	●
F00.20		0: 1:		0	●
F00.21		0: 1:		0	○
F00.22		0.00~650.00		0.00	●
F00.23		1.0-16.0 ( : 0.75-4.00 ) 1.0-10.0 ( : 5.50-7.50 ) 1.0-8.0 ( 11.00 - 45.00 ) 1.0-4.0 ( 55.00 - 90.00 ) 1.0-3.0 ( : 110.00 )		4.0 (0.75 ) /2.0	●
F00.24		0: 1: 1 2: 2		1	○
F00.25		0: 1:		0	○
F00.26		20~200		40	●
F00.27		10~150		100	●
F00.28		0: 1 1: 2		0	○
F00.29		0 - 65535		0	○
F00.31		0: 0.01 1: 0.1 ( : 10 / )		0	○
F00.35		0: 380 1: 440		0	○
<b>F01</b>		<b>1</b>			
F01.00		0: 1: 2:		0	○
F01.01		0.10~650.00			○
F01.02		50~2000			○

## EM730

F01.03		0.01 - 600.00 ( $\leq 75$ ) 0.1 - 6000.0 ( $> 75$ )	A		○
F01.04		0.01~600.00			○
F01.05		1~60000	/		○
F01.06		0:Y 1:A			○
F01.07	cos	0.600~1.000			○
F01.08		30.0~100.0	%		○
F01.09		1-60000 ( $\leq 75$ ) 0.1-6000.0 ( $> 75$ )	$\Omega$		○
F01.10		1-60000 ( $\leq 75$ ) 0.1-6000.0 ( $> 75$ )	$\Omega$		○
F01.11		0.01 - 600.00 ( $\leq 75$ ) 0.001 - 60.000 ( $> 75$ )			○
F01.12		0.1 to 6000.0 ( $\leq 75$ ) 0.01 to 600.00 ( $> 75$ )			○
F01.13		0.01 to 600.00 ( $\leq 75$ ) 0.1 to 6000.0 ( $> 75$ )	A		○
F01.14	.1	10.00 - 100.00	%	87.00	○
F01.15	.2	10.00 - 100.00	%	80.00	○
F01.16	.3	10.00 - 100.00	%	75.00	○
F01.17	.4	10.00 - 100.00	%	72.00	○



EM730

F01.18	.5	10.00 - 100.00	%	70.00	○
F01.19		1-60000 ( : ≤ 75 ) 0.1 - 6000.0 ( : > 75 )	Ω		○
F01.20	d	0.01 - 600.00 ( : ≤ 75 ) 0.001 - 60.000 ( : > 75 )			○
F01.21	q	0.01~600.00 ( : 75 ) 0.001~60.000 ( : > 75 )			○
F01.22		10.0-2000.0 ( )			○
F01.23		0.0-359.9 ( )			○
F01.34		00: 01: 02: 03: 11: 12: 13:		00	○
<b>F02</b>					
F02.00	1	0: : 1: (RUN); 2: (F/R); 3: 3-		1	○
F02.01	2	; 4: JOG ; 5: JOG ; 6: ; 7: ; 8: ; 9: ; 10:		2	○
F02.02	3	11: 1 12: 2		11	○
F02.03	4	13: 3 14: 4		12	○
F02.04	5	15: PID 1 16: PID 2		13	○
F02.07	AI1	17: 1 18: 2 19: 1 20: 2		0	○
F02.08	AI2	21: 22: 23: 24: RUN 25: RUN 26:		0	○

		27:			
		28:		/	
		29:			
		30:	1 /	2	
		31:	(	)	
		32:	(	)	
		33:			
		34:	( $\leq 250$ )		
		35:	( $\leq 100$ ) ,	X5)	
		36:			
		37:	( $\leq 250$ )		
		38:	( $\leq 100$ ) ,	X5)	
		39:			
		40:	( $\leq 100$ ) ,	X5)	
		41:			
		42:			
		43:			
		44:	(	/	)
		45:			
		46:			
		47:			
		48:			
		49:			
		50:			
		51:			
		52:	AI1		
		53:	to AI2		
		54:			
		55:			
		56:			
		57:			
		68:			
		69:			
		70:			
		121:			
		122:			
		123:			

EM730

F02.15	/ . 1	D7	D6	D5	D4	D3	D2	D1	D0		00000	○
		*	*	*	X5	X4	X3	X2	X1			
		0: , NO, NC 1: , NO, NC										
F02.16	/ . 2	D7	D6	D5	D4	D3	D2	D1	D0		00	○
		*	*	*	*	*	*	AI2	AI1			
		0: , NO, NC 1: , NO, NC										
F02.17		0-100, 0: ; n: n									2	○
F02.18	X1	0.000-30.000									0.000	●
F02.19	X1	0.000-30.000									0.000	●
F02.20	X2	0.000-30.000									0.000	●
F02.21	X2	0.000-30.000									0.000	●
F02.22	X3	0.000-30.000									0.000	●
F02.23	X3	0.000-30.000									0.000	●
F02.24	X4	0.000-30.000									0.000	●
F02.25	X4	0.000-30.000									0.000	●
F02.26		0.00 - F02.28									0.00	●
F02.27		-100.0 - +100.0									% 0.0	●
F02.28		0.01-100.00									50.00	●
F02.29		-100.0 - +100.0									% 100.0	●
F02.30		0.00 - 10.00									0.10	●
F02.31		: AI1 0: 1: ( 0 1 , 1 3 , 3 ) : AI2 0: 1: ( )									00	○

EM730

F02.32			AI1 0: 1 1: 2 2: 3 3: 4 AI2 0: 1 1: 2 2: 3 3: 4		01	○
F02.33	.	1	0.00 - F02.35		0.10	●
F02.34	.	1	-100.0 - +100.0	%	0.0	●
F02.35	.	1	F02.33~10.00		9.90	●
F02.36	.	1	-100.0 - +100.0	%	100.0	●
F02.37	.	2	-10.00V~F02.39		0.10	●
F02.38	.	2	-100.0 - +100.0	%	0.0	●
F02.39	.	2	F02.37~10.00		9.90	●
F02.40	.	2	-100.0 - +100.0	%	100.0	●
F02.41	.	3	0.00V - F02.43		0.10	●
F02.42	.	3	-100.0 - +100.0	%	0.0	●
F02.43	1	3	F02.41 - F02.45		2.50	●
F02.44	1	3	-100.0 - +100.0	%	25.0	●
F02.45	2	3	F02.43 - F02.47		7.50	●
F02.46	2	3	-100.0 - +100.0	%	75.0	●
F02.47	.	3	F02.45 - 10.00		9.90	●
F02.48	.	3	-100.0 - +100.0	%	100.0	●
F02.49	.	4	-10.00 - F02.51		-9.90	●
F02.50	.	4	-100.0 - +100.0	%	-100.0	●
F02.51	1	4	F02.49 - F02.53		-5.00	●
F02.52	1	4	-100.0 - +100.0	%	-50.0	●
F02.53	2	4	F02.51 - F02.55		5.00	●
F02.54	2	4	-100.0 - +100.0	%	50.0	●
F02.55	.	4	F02.53 - 10.00		9.90	●
F02.56	.	4	-100.0 - +100.0	%	100.0	●

EM730

F02.57	AI1	0.00 - 10.00		0.10	●
F02.58	AI2	0.00 - 10.00		0.10	●
F02.61	AD	2 - 50		2	○
F02.62	AI1	0: 0~10 3: -10~10 4: 0~5		0	○
F02.63	AI2	0: 0~10 1: 4~20 A 2: 0~20 A 4: 0~5		0	
F02.66	AI2	0: 500Ω 1: 250Ω		0	○
<b>F03</b>					
F03.00	Y1	0:		1	○
F03.02	R1 (EA-EB-EC)	1: (RUN) 2: (FAR) 3: FDT1 4: FDT2 5: (REV) 6: jog 7: 8: (READY) 9: 10: 11: 12: 13: 14: 15: 16: ( ) 17: 18: 19: . 20: . 21: ADT1 22: ADT2 24: 26: 27: 38: 40: 41: 42: 47: 67: 68: /		7	○

EM730

		69: FDT1 ( ) 70: FDT2 ( ) 71: JOG) FDT1 ( , 72: JOG) FDT2 ( , 73:			
F03.05		D7 D6 D5 D4 D3 D2 D1 D0 * * * * * R1 * Y1		0*0	○
		0: 1:			
F03.06	/	D7 D6 D5 D4 D3 D2 D1 D0 * * * * * R1 * Y1		0*0	○
		0: 1:			
F03.08	JOG	D7 D6 D5 D4 D3 D2 D1 D0 * * * REV FDT2 FDT1 FAR RUN		00000	○
		0: JOG 1: JOG			
F03.09	Y1	0.000~30.000		0.000	●
F03.10	Y1	0.000~30.000		0.000	●
F03.13	R1	0.000~30.000		0.000	●
F03.14	R1	0.000~30.000		0.000	●
F03.17	Y1	0.001~30.000		0.250	●
F03.19	R1	0.001~30.000		0.250	●
F03.21	M1	0: ( ) 1: ( ) 2: ( ) 3: ( ) 4: 5: 6: 7: 8: AI1 9: AI2 12: ( 100%		0	○

EM730

		100.00kHz) 13: 1 14: 15: 16: PID 18: PID 19: PID 30: 2			
F03.27	M1	-100.0~100.0	%	0.0	●
F03.28	M1	-10.000~10.000		1.000	●
F03.31		D7 D6 D5 D4 D3 D2 D1 D0		0*0	○
		* * * * * R1 * Y1			
		0: 1:			
F03.34	M1	0: 0~10 1: 4~20 A 2: 0~20 A		0	○

F04 /					
F04.00		0: 1:		0	○
F04.01	.	0.00 - 10.00		0.00	○
F04.02	.	0.00-60.00, 0.00		0.00	○
F04.03		0.0~100.0 (100.0 = )	%	100.0	○
F04.04	.	0.00~30.00, 0.00:		0.00	○
F04.06		50.0-500.0 (100.0 = )	%	100.0	○
F04.07		0.00 - 10.00		0.10	○
F04.08		: 0: 1: 2: : 0:		01	○

## EM730

		1:			
F04.10		0.1 - 20.0		2.0	○
F04.11		30.0-150.0 (100.0 = )	%	50.0	○
F04.12		0.00 - 10.00		1.00	○
F04.14		0: 1: S- 2: - S-		0	○
F04.15	S-	0.00~30.00(F15.13=0) 0.0~300.0(F15.13=1) 0~3000(F15.13=2)		1.00	●
F04.16	S-	0.00~30.00(F15.13=0) 0.0~300.0(F15.13=1) 0~3000(F15.13=2)		1.00	●
F04.17	S-	0.00~30.00(F15.13=0) 0.0~300.0(F15.13=1) 0~3000(F15.13=2)		1.00	●
F04.18	S-	0.00~30.00(F15.13=0) 0.0~300.0(F15.13=1) 0~3000(F15.13=2)		1.00	●
F04.19		0: 1:		0	○
F04.20		0.00 - F00.16		0.00	○
F04.21		0.0~100.0 (100.0 = )	%	50.0%	○
F04.22		0.00~30.00 0.00:		0.00	○
F04.23		0.00 - 30.00		0.50	○



EM730

F04.24		100-150 (100: )		100	○
F04.26	/	0: F04.00 1:		0	○
F04.27	-	0: 1:		0	○
F04.29		0.00 - 5.00		0.25	●
F04.30		0: 1: 1		0	●
<b>F05</b>	<b>V/F</b>				
F05.00	V/F	0: V/F 1: V/F 2: 1.3 V/F 3: 1.7 V/F 4: V/F ( , ) 5: (Ud = 0, F05.07) Uq = K*t, 6: V/F=2*X* ( ) / ( ), = 0.00 - 100%		0	○
F05.01	F1 V/F	0.00 - F05.03		0.50	●
F05.02	V1 V/F	0.0~100.0 (100.0 = )	%	1.0	●
F05.03	F2 V/F	F05.01~F05.05		2.00	●
F05.04	V2 V/F	0.0-100.0	%	4.0	●
F05.05		F05.03 -		5.00	●

## EM730

	F3 V/F				
F05.06	V3 V/F	0.0-100.0	%	10.0	●
F05.07	V/F	0: 1: AI1 2: AI2 4: (X5) 5: 6: : 100%		0	○
F05.08	V/F	0.0-100.0 (100.0 = )	%	0.0	●
F05.09	- U 0	0.00 - 60.00	s	2.00	●
F05.10	V/F	0.00 - 200.00	%	100.00	●
F05.11	V/F	0.00 - 200.00	%	100.00	●
F05.12	V/F	0.00 - 10.00		1.00	●
F05.13		0 - 10000		100	●
F05.14		0.00-600.00		55.00	●
F05.15		0.00 - 10.00		0.00	●
F05.16		0.00 - 50.00	%	0.00	●
F05.17		1.00 - 60.00		5.00	●
F05.18		0.00~500.00	%	0.00	●

## EM730

F05.19		0.00 - 10.00		0.50	●
F05.20	V/F	-500.0~+500.0	%	0.0	●
<b>F06</b>					
F06.00	ASR_P1	0.00-100.00		12.00	●
F06.01	ASR_T1	0.000-30.000 0.000:		0.200	●
F06.02	ASR_P2	0.00-100.00		8.00	●
F06.03	ASR_T2	0.000-30.000 0.000:		0.300	●
F06.04	1	0.00	2	5.00	●
F06.05	2	1 - F00.16		10.00	●
F06.06		50.0~300.0	%	100.0	●
F06.07		0.000 - 0.100	s	0.001	●
F06.08		50.00-200.00	%	100.00	●
F06.09		0: 1: AI1 2: AI2	F06.10 F06.11	0	○

EM730

		3: 4: 5: (%) 6: AI1 AI2 7: AI1 AI2			
F06.10		0.0 - 250.0	%	165.0	●
F06.11		0.0 - 250.0	%	165.0	●
F06.12	ACR-P1	0.00-100.00		0.50	●
F06.13	ACR-T1	0.00-600.00 0.00:		10.00	●
F06.14	ACR-P2	0.00-100.00		0.50	●
F06.15	ACR-T2	0.00-600.00 0.00:		10.00	●
F06.17		0: 1: 2: IGBT		2	○
F06.18		50.0-400.0 (100.0 - . . . )	%	100.0	○
F06.20		0 - 100	%	0	●
F06.21		0: 1: 2:		2	○
F06.22		70.00-100.00	%	95.00	●

## EM730

F06.23	-	0.0-150.0 (100.0 - )	%	100.0	●
F06.24	-	0.00 - 10.00		0.50	●
F06.25	-	0.01 - 60.00		2.00	●
F06.26	MTPA	0: 1:		1	○
F06.27		0 - 200	%	100	●
F06.28	-	0.00-100.00 (100.00 - )	%	10.00	●
F06.29	-	0.0-60.0 (100.0 )	%	20.0 40.0-(F16.0 0=2)	●
F06.30	-	0.00 - 10.00		0.50	●
F06.31	-	0.00 - 300.00		10.00	●
F06.32	,	0.00-100.00 (100.00 - )	%	20.00	●

## EM730

	-				
F06.33	-	0.0-30.0 (100.0 )	%	8.0	●
F06.34	-	0.00 - 10.00		0.50	●
F06.35	-	0.00 - 300.00		10.00	●
F06.36		0.00~1.00		0.75	○
F06.37		0~20		12	●
F06.38		1.00~3.70		3.50	○
F06.39		0.005~0.100		0.100	○
F06.40	-	0.0~20.0	%	10.0	○
F06.41	.	0: V/F 1: I/F		0	○

## EM730

		2: I/F	V/F			
F06.42	-	0.0 - 50.0		%	8.0	○
F06.43	I/F -	0.0 - 600.0		%	50.0	○
F06.44		0.0 - 6000.0			1.0	○
F06.45		0.0~359.9		°	30.0	○
F06.46	-	0.00 - 10.00			1.00	○
F06.47		0.00 - 10.00			1.00	○
F06.48		0.00 - 10.00			0.40	○
F06.49		1.0 - 100.0			5.0	○
F06.50		0.00 - 10.00			0.20	○
F06.51		0.010 - 1.000			0.020	○

EM730

	-											
F06.76		10.0~500.0							%	100.0	●	
F06.77		10.0~500.0							%	100.0	●	
F06.78		0.10~								5.00	○	
<b>F07</b>												
F07.00		0: 1:	E20	*	E13	E06	*	E04	E07	E08	0*0 0*000	○
F07.01		0.20 - 10.00								1.00	●	
F07.02		50 - 100							%	80	●	
F07.06		0: 1: 2:  0: 1:	:		:					10	○	
F07.07		110.0 - 150.0 (380 , 100.0=537 )							%	131.0(703 )	○	
F07.08		60.0 -							%	76.0	○	



EM730

		100.0 = )										
F07.09	-	F07.08 - 100.0	%	86.0	●							
F07.10		0.00-100.00		0.50	●							
F07.11		0: 1: 1 2: 2		2	○							
F07.12		20.0-180.0(100.0 = )	%	150.0	●							
F07.13		0: 1:		0	○							
F07.14		0-20; 0:		0	○							
F07.15		0: 1:		0	○							
F07.16		0.01 - 30.00		0.50	●							
F07.17		0.01 - 30.00		10.00	●							
F07.18		<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Ε08</td> <td>*</td> <td>Ε07</td> <td>*</td> <td>Ε02</td> <td>Ε06</td> <td>Ε05</td> <td>Ε04</td> </tr> </table>	Ε08	*	Ε07	*	Ε02	Ε06	Ε05	Ε04	0 *0 *0000	○
Ε08	*	Ε07	*	Ε02	Ε06	Ε05	Ε04					
F07.19	1	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Ε21</td> <td>Ε16</td> <td>Ε15</td> <td>Ε14</td> <td>Ε13</td> <td>*</td> <td>Ε08</td> <td>Ε07</td> </tr> </table>	Ε21	Ε16	Ε15	Ε14	Ε13	*	Ε08	Ε07	000 00*00	○
Ε21	Ε16	Ε15	Ε14	Ε13	*	Ε08	Ε07					
F07.20	2	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Ε28</td> <td>Ε27</td> <td>*</td> <td>Ε23</td> </tr> </table>	Ε28	Ε27	*	Ε23	00*0	○				
Ε28	Ε27	*	Ε23									

EM730

F07.21		0: 1:		0	●
F07.22		0.0-100.0	%	20.0	●
F07.23		0.0 - 60.0		1.0	●
F07.24		0: 1: 2:		1	○
F07.25		0.0-50.0 ( : F00.16)	%	20.0	●
F07.26		0.0-60.0, 0.0:		1.0	●
F07.27	AVR	0: 1: 2:		1	○
F07.28		0.0-6000.0(0.0: )		0.0	○
F07.29		0 - 100	%	20	○
F07.30		0.00 - 300.00		20.00	○
F07.32	2	E 10   E 13   E 15   E 16   *   E 19   E 20   *		000 00000	○
		0: 1:			
F07.34	3	*   *   *   *   *   *   E 09   E 17		*****00	○
		0: 1:			
<b>F08</b>					
F08.00	1	0.00 - F00.16		0.00	●
F08.01	2	0.00 - F00.16		5.00	●
F08.02	3	0.00 - F00.16		10.00	●
F08.03		0.00 - F00.16		15.00	●

EM730

	4				
F08.04	5	0.00 - F00.16		20.00	●
F08.05	6	0.00 - F00.16		25.00	●
F08.06	7	0.00 - F00.16		30.00	●
F08.07	8	0.00 - F00.16		35.00	●
F08.08	9	0.00 - F00.16		40.00	●
F08.09	10	00.00 - F00.16		45.00	●
F08.10	11	0.00 - F00.16		50.00	●
F08.11	12	0.00 - F00.16		50.00	●
F08.12	13	0.00 - F00.16		50.00	●
F08.13	14	0.00 - F00.16		50.00	●
F08.14	15	0.00 - F00.16		50.00	●
F08.15		0: 1: 2: 3:		0	●
F08.16		1 - 10000		1	●
F08.17		0: : ( ) 1: ( ) 0: : ( ) 1: ( ) )		00	●
F08.18		0: 1:		0	●
F08.19		0: 1: : 0:		00	●
		0:		1	

## EM730

		1: 2 2: 3 3: 4			
F08.20		0.0 - 6000.0	/	5.0	●
F08.21		0: : 1: : 0: 1 1: 2 2: 3 3: 4		0	●
F08.22		0.0 - 6000.0	c/	5.0	●
F08.23		0: : 1: : 0: 1 1: 2 2: 3 3: 4		0	●
F08.24		0.0 - 6000.0	c/	5.0	●
F08.25		0: : 1: : 0: 1 1: 2 2: 3 3: 4		0	●
F08.26		0.0 - 6000.0	c/	5.0	●
F08.27		0: : 1: :		0	●

EM730

		0: 1 1: 2 2: 3 3: 4			
F08.28		0.0 - 6000.0	c/	5.0	●
F08.29		: 0: 1: : 0: 1 1: 2 2: 3 3: 4		0	●
F08.30		0.0 - 6000.0	c/	5.0	●
F08.31		: 0: 1: : 0: 1 1: 2 2: 3 3: 4		0	●
F08.32		0.0 - 6000.0	c/	5.0	●
F08.33		: 0: 1: : 0: 1 1: 2 2: 3 3: 4		0	●
F08.34		0.0 - 6000.0	c/	5.0	●
F08.35		: 0: 1:		0	●

EM730

		0: 1 1: 2 2: 3 3: 4			
F08.36		0.0 - 6000.0	c/	5.0	●
F08.37		0: 1 1: 2 2: 3 3: 4		0	●
F08.38		0.0 - 6000.0	c/	5.0	●
F08.39		0: 1 1: 2 2: 3 3: 4		0	●
F08.40		0.0 - 6000.0	c/	5.0	●
F08.41		0: 1 1: 2 2: 3 3: 4		0	●
F08.42		0.0 - 6000.0	c/	5.0	●
F08.43		0:		0	●

EM730

		1: : 0: 1: 2: 3:	1 2 3 4			
F08.44		0.0 - 6000.0		c/	5.0	●
F08.45	-	0: 1: : 0: 1: 2: 3:	1 2 3 4		0	●
F08.46	-	0.0 - 6000.0		c/	5.0	●
F08.47		0: 1: : 0: 1: 2: 3:	1 2 3 4		0	●
F08.48		0.0 - 6000.0		c/	5.0	●
<b>F09</b>						
F09.00		0: 1: AI1 2: AI2 3: 4: 5: , (X5) 6:			0	○
F09.01		0.0	F09.03		0.0	●

## EM730

F09.02		1: AI1 2: AI2 3: 4: 5: , (X5) 6:		1	○
F09.03		0.1 - 6000.0 ( )		100.0	●
F09.04	/	0: 1:		0	○
F09.05		0.00-100.00		0.40	●
F09.06	. 1	0.000 - 30.000, 0.000:		2.000	●
F09.07	1	0.000-30.000		0.000	●
F09.08	2	0.00-100.00		0.40	●
F09.09	. 2	0.000 - 30.000, 0.000:		2.000	●
F09.10	2	0.000-30.000		0.000	●
F09.11		0: 1: 2: 3:		0	●
F09.12	1	0.00 - F09.13	%	20.00	●
F09.13	2	F09.12 - 100.00	%	80.00	●
F09.14		0.00-100.00	%	0.00	●
F09.15		0.00~650.00		0.00	●
F09.16		F9.17~+100.0	%	100.0	●
F09.17		-100.0~F9.16	%	0.0	●
F09.18	-	0.00-100.00 (0.00: )	%	0.00	●



EM730

F09.19		0.00-100.00	%	5.00	●
F09.20		0.00-100.00 (100.00% = )	%	100.00	●
F09.21		0.000-30.000		0.000	●
F09.22		0.000-30.000		0.000	●
F09.23		0.000-30.000		0.000	●
F09.24		0.00-100.00; 100.00 =	%	100.00	●
F09.25		0.00-100.00; 0.00 =	%	0.00	●
F09.26		0.000-30.000		0.000	●
F09.27		0: 1: 2: 3: IGBT		0	●
F09.28		0.00-100.00 (100.00 )	%	100.00	●
F09.29		0.0 - 6500.0		0.0	●
F09.30		0.00-100.00 (100.00 )	%	0.00	●
F09.31		0.0 - 6500.0		0.0	●
F09.32	1	0.0 - F09.03		0.0	●
F09.33	2	0.0 - F09.03		0.0	●

## EM730

F09.34	2	0.0 - F09.03		0.0	●
F09.35	-	~10.00		10.00	●
F09.36	-	0.00~		0.00	●
F09.37		0: 1: 2: F09.38 F09.21		0	●
F09.38		0.00-100.00	%	0	●
F09.39		0: F09.01* F09.40 1: F09.30		0	○
F09.40		0.0-100.0 (100% )	%	90.0	●
F09.41		0.0 - F09.03	bar	6.0	●
F09.42		0-3600 (0: )	c	3	●
F09.43		0: 1:		1	○
<b>F10</b>					
F10.00		1-247; 0:		1	○
F10.01	/	0:4800 1:9600 2:19200 3:38400 4:57600 5:115200		1	○
F10.02		0: 1-8-N-1 (1 start bit + 8 data bits + 1 stop bit)		0	○

## EM730

	Modbus	1: 1-8-E-1 (1 start bit + 8 data bits + 1 even parity check bit + 1 stop bit) 2: 1-8-O-1 (1 start bit + 8 data bits + 1 odd parity check bit + 1 stop bit) 3: 1-8-N-2 (1 start bit + 8 data bits + 2 stop bits) 4: 1-8-E-2 (1 start bit + 8 data bits + 1 even parity check bit + 2 stop bits) 5: 1-8-O-2 (1 start bit + 8 data bits + 1 odd parity check bit + 2 stop bits)			
F10.03	485	0.0 -60.0 ; 0.0: ( master-slave)	c	0.0	●
F10.04	Modbus	1 - 20		2	●
F10.05	master-slave	0: 1:		0	○
F10.06	Master-slave	0: slave 1: ( Modbus)		0	○
F10.07	,	0: 1: 2: 3: 4: 5:		1	○
F10.08	slave	0.00-10.00		1.00	●
F10.09		0.000-30.000		0.200	●
F10.10		0: Modbus-RTU		0	×
F10.56	485 EEPROM	0-10: ( ) 11: ( )		0	○
F10.57	- SCI	0: 1:		1	●
F10.58		110~10000		150	●

EM730

	-				
F10.59	SCI	0: 1: 2:		0	○
<b>F11</b>					
<b>F12</b>					
F12.00	-			1	○
F12.01	STOP	0: 1:		1	○
F12.02		0: 1: 2:	, .	0	●
F12.03		0: 1: 2:		0	○
F12.09		0.01~600.00 (30.00 / )	0.00 - 50.00 4- , . 1500	30.00	●
F12.10	UP/DOWN	0.00: 0.05~500.00 /		5.00 /	○
F12.11	UP/DOWN	0: ) ( ) 1: 2: UP/DOWN		0	○
F12.12	UP/DOWN	0: 1: ( )		1	○
F12.13		0: 1:		0	●
F12.14		0: 1: ( , , , )		0	○
F12.15	.	0~65535		XXX	×

## EM730

F12.16		0 - 59		XXX	×
F12.17		0~65535		XXX	×
F12.18	( )	0 - 59		XXX	×
F12.19		0.40 - 650.00		Depending on the motor type	×
F12.20		60 - 690		Depending on the motor type	×
F12.21		0.1 - 1500.0	A	Depending on the motor type	×
F12.22	S/N 1	XXX.XX		XXX.XX	×
F12.23	S/N2	XX.XXX		XX.XXX	×
F12.24	S/N 1	XXX.XX		XXX.XX	×
F12.25	S/N 2	XX.XXX		XX.XXX	×
F12.26	1	XXX.XX		XXX.XX	×
F12.27	2	XX.XXX		XX.XXX	×
F12.28	1	XX.XXX		XX.XXX	×
F12.29	2	XXXX.X		XXXX.X	×
F12.30	3	XXXXX		XXXXX	×
F12.31		0: 1: 2:		0	●
F12.33	1 1 ( STOP	0.00 - 99.99		18.00	●

## EM730

	5)				
F12.34	( 1 <sup>2</sup> STOP 1)	0.00 - 99.99		18.01	●
F12.35	( 1 <sup>3</sup> STOP 2)	0.00 - 99.99		18.06	●
F12.36	( 1 <sup>4</sup> STOP 3)	0.00 - 99.99		18.08	●
F12.37	( 1 <sup>5</sup> STOP 4)	0.00 - 99.99		18.09	●
F12.38	- 1	0.00 - 99.99		18.00	●
F12.39	- 2	0.00 - 99.99		18.06	●
F12.40	- 3	0.00 - 99.99		18.09	●
F12.41	UP/DOWN 0	0: 1:		0	○

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F12.42	,	0.00 -	F00.16						0.00	×
F12.43		0.00-	F13.02					%	0.0	×
F12.45	UP/DOWN							00000	○	
		0	0	0	0	0				
		0:								
		1:								
<b>F13</b>										
F13.00	/	0:							0	○
		1:								
F13.01		0:	F13.02						0	○
		1:	AI1							
		2:	AI2							
		3:								
		4:								
		5:	(X5)							
		6:								
		7:								
		8:								
F13.02		-200.0 - 200.0						%	100.0	●
F13.03	1	-200.0 - 200.0						%	0.0	●
F13.04	2	-200.0 - 200.0						%	0.0	●
F13.05	3	-200.0 - 200.0						%	0.0	●
F13.06		0.00 - 120.00							0.00	●
F13.08		0:	F13.09						0	○
		1:	AI1							
		2:	AI2							

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		3: 4: 5: (X5) 6: (%) 7: ( )			
F13.09		0.50 - F00.16		50.00	●
F13.10		0.00 - F00.16		0.00	●
F13.11		0.0-100.0	%	0.0	●
F13.12		0.00 - 50.00		1.00	●
F13.13		0.0-100.0	%	0.0	●
F13.18		0 - 100	%	100	●
F13.19		0-1		0	●
<b>F14</b>	<b>2 ( .</b>			<b>EM730)</b>	
<b>F15</b>					
F15.00	JOG	0.00 - F00.16		5.00	●
F15.01	JOG	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		5.00	●
F15.02	JOG	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		5.00	●
F15.03	2	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		15.00	●
F15.04	2	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		15.00	●
F15.05	3	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1)		15.00	●



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		0 - 65000 (F15.13=2)			
F15.06	3	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		15.00	●
F15.07	4	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		15.00	●
F15.08	4	0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		15.00	●
F15.09		0: F00.16 1: 50.00 2:		0	○
F15.10		0: 1:		0	○
F15.11	1 2	0.00 - F00.16		0.00	●
F15.12	2 1	0.00 - F00.16		0.00	●
F15.13		0:0.01s 1:0.1s 2:1s		0	○
F15.14	1	0.00-600.00		600.00	●
F15.15	1	0.00-20.00, 0,00		0.00	●
F15.16	2	0.00-600.00		600.00	●
F15.17		0.00-20.00, 0,00		0.00	●

## EM730

	2				
F15.18	3	0.00-600.00		600.00	●
F15.19	3	0.00-20.00, 0.00		0.00	●
F15.20	(FAR)	0.00 - 50.00		2.50	○
F15.21	<sup>1</sup> FDT1	0.00 - F00.16		30.00	○
F15.22	FDT1	-(Fmax-F15.21)~F15.21		2.00	○
F15.23	<sup>2</sup> FDT2	0.00 - F00.16		20.00	○
F15.24	FDT2	-(Fmax-F15.23)~F15.23		2.00	○
F15.25	ADT	0: AI1 1: AI2		0	○
F15.26	ADT1	0.00-100.00	%	20.00	●
F15.27	ADT1	0.00 to F15.26 ( )	%	5.00	●
F15.28	ADT2	0.00-100.00	%	50.00	●
F15.29	ADT2	0.00 to F15.28 ( )	%	5.00	●
F15.30	-	0: 1:		0	○
F15.31		110.0-140.0 (380 , 100.0 = 537 )	%	125.0	○
F15.32	.	20-100 ( 100 1)	%	100	●
F15.33		0:		0	○

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		1: 2:			
F15.34		0: 1: 2:		1	○
F15.35		1.00 - 1.10		1.05	●
F15.36		0: (7- ) 1: (5- )		0	○
F15.37		0.00 - F00.16		15.00	●
F15.38		0: 1: 1 2: 2 ( VF)		1	○
F15.39	JOG	0: 1:		0	○
F15.40		0.00 - 650.00 (F15.13=0) 0.0 - 6500.0 (F15.13=1) 0 - 65000 (F15.13=2)		1.00	●
F15.66		0.1-300.0 (0.0: ; 100.0%: )	%	200.0	●
F15.67		0.00-600.00		0.00	●
F15.68		0.00-100.00		1.00	○
F15.69		30.0-200.0	%	90.0	○
<b>F16</b>					
F16.00		0: 1: 2: 3: 4:		0	○

## EM730

		5: 6: 7:			
F16.01		1 - 65535 (F16.13=0) 0.1 - 6553.5 (F16.13=1) 0.01 - 655.35 (F16.13=2) 0.001 - 65.535 (F16.13=3)		1000	●
F16.02	1	0.1 - 6553.5		100.0	●
F16.03		F16.04 - 65535		1000	●
F16.04		1 - F16.03		1000	●
F16.05		0.0-6500.0, 0.0		0.0	●
F16.06		0~65535		0	●
F16.07		0-65535; 0:		0	●
F16.08		0-65535; 0:		0	●
F16.09		0~65535		XXXX	●
F16.10	0	0.00-100.00	%	0.00	○
F16.11		0.00-100.00	%	100.00	○
F16.13		0:1 1:0.1 2:0.01 3:0.001		0	○

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F17	I/O (					EM730)		
F18								
F18.00		0.00 -					XXX	×
F18.01		0.00 - F00.16					XXX	×
F18.03		0.00 -					XXX	×
F18.04		-200.0 - 200.0				%	XXX	×
F18.05		-200.0 - 200.0				%	XXX	×
F18.06		0.00 - 650.00 ( $\therefore \leq 75$ ) 0.0 - 6500.0 ( $\therefore > 75$ )				A	XXX	×
F18.07	, %	0.0-300.0 (100.0 = )				%	0	×
F18.08		0.0 - 690.0					XXX	×
F18.09		0 - 1200					XXX	×
F18.10		0 - 10000					XXX	×
F18.11		1 - 15					XXX	×
F18.12		0.0 - 6000.0					XXX	×
F18.14		0~65535				/	XXX	×
F18.15	UP/DOWN	0.00 - 2 * F00.16					XXX	×
F18.16		0.0 -					XXX	×
F18.17		0.0 -					XXX	×
F18.18		0~65535				*	XXX	×
F18.19		0.0 - 999.9				*	XXX	×
F18.20		-650.00~650.00					XXX	×
F18.21		-1.000 - 1.000					XXX	×
F18.22	1	X5	X4	X3	X2	X1	XXX	×
		0/1	0/1	0/1	0/1	0/1		
F18.23		*	AI2	AI1	*	*	XX X	×
		*	0/1	0/1	*	0/1		

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	2								
F18.25		*	*	R1	*	Y1		XXX	×
		*	*	0/1	*	0/1			
F18.26	AI1	0.0-100.0					%	XXX	×
F18.27	AI2	0.0-100.0					%	XXX	×
F18.31	:	0.00-100.00						XXX	×
F18.32	:	0~65535						XXX	×
F18.33	.	0~65535						XXX	×
F18.34	.	0~65535						XXX	×
F18.35		0.0 - 6500.0						XXX	×
F18.36		0.0~359.9°						XXX	×
F18.39	VF	0 - 690						XXX	×
F18.40	VF	0 - 690						XXX	×
F18.51		-100.0 - 100.0					%		×
F18.60		-40 to 200					°C	0	×
F18.67	( * )	*					0~65535	*	×
F18.68	( * )	*					0.0~ 999.9	*	×
F18.69							0~65535		×
F18.70							0.0~ 999.9		×
F18.71	* ,	, *					0~65535	*	×
F18.72		, *					0.0~	*	×

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	,	*		999.9		
<b>F19</b>						
F19.00			0: E01: E02: E04: E05: E06: E07: E08: E09: E10: E11: E13: E14: E15: E16: E17: E18: E19: E20: E21: E22: E24: E25: E26: E27: E28: E43: E44: E57: E58: E76:		0	×
F19.01			0.00 -		0.00	×
F19.02			0.00 - 650.00( :≤75 ) 0.0 - 6500.0( :> 75 )	A	0.00	×
F19.03			0 - 1200		0	×
F19.04			0:		0	×

## EM730

		1: 2: 3: 4: 5: 6:			
F19.05				0	×
F19.06	-	F19.00		0	×
F19.07				0.00	×
F19.08			A	0.00	×
F19.09				0	×
F19.10	-	F19.04		0	×
F19.11				0	×
F19.12	-	F19.00		0	×
F19.13				0.00	×
F19.14			A	0.00	×
F19.15				0	×
F19.16		F19.04		0	×
F19.17				0	×
<b>F27</b>	-				
F27.00		0: 1: 2: 3:		0	○



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F27.01		0: * B 1: * A 2: * 10V		1	○
F27.02		0: 1: 0.00 - 2: :- +		1	○
F27.03		0: 1: 0: 1: 0: 1:		10	○
F27.04	-	0.00~500.00	%	500.00	○
F27.05	-	0.00~500.00	%	50.00	●
F27.06		0~1000		0	●
F27.07	0 -	0.00 - 1	%	4.00	●
F27.08	1 -	0 - 2	%	12.00	●
F27.09	2 -	1 - 3	%	23.00	●
F27.10	3 -	2 - 4	%	37.00	●
F27.11	4 -	3 - 5	%	52.00	●
F27.12	5 -	4 to 100.00	%	72.00	●
F27.13		0.00 - 50.00	%/	0.60	●
F27.14	1 -	0.00 - 50.00	%/	0.11	●
F27.15	2 -	0.00 - 50.00	%/	0.30	●

## EM730

F27.16	3	0.00 - 50.00	%/	0.75	●
F27.17	4	0.00 - 50.00	%/	1.55	●
F27.18	5	0.00 - 50.00	%/	4.00	●
F27.19	6	0.00 - 50.00	%/	11.00	●
F27.20		<p>0: :</p> <p>1: :</p> <p>0: :</p> <p>1: :</p> <p>0: :</p> <p>1: :</p> <p>2: :</p> <p>3: :</p> <p>4: ( )</p> <p>5: ( )</p> <p>0: 0</p> <p>1: 1</p> <p>0: :</p> <p>1: F27.24</p>		01201	○
F27.21		0.0~10.0		6.0	●
F27.22		0.00 - 60.00		5.00	●
F27.23		0.0 - 60.0		10.0	●
F27.24		0.00~Fmax		5.00	●

## EM730

F27.25	,	0.00~FUP		2.50	●
F27.26		0.0-100.0		5.0	●
F27.27		0.00~20.00		10.00	●
F27.28		0.1 - 20.0		10.0	●
F27.29		0.1 - 20.0		2.0	●
F27.30		1~100		5	●
F27.36	-	-500.0~500.0	%		×