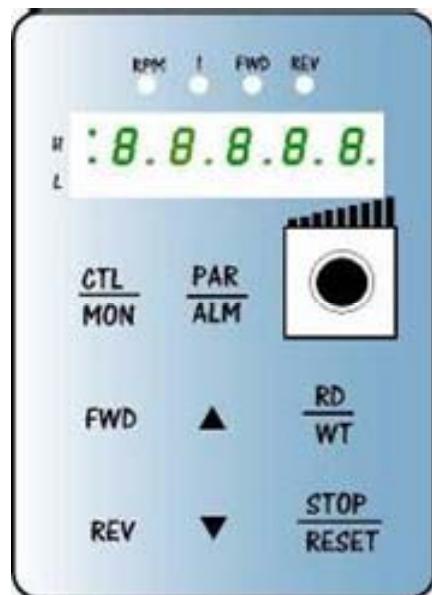


R-PANEL

USER MANUAL



Version : V1.00

目錄

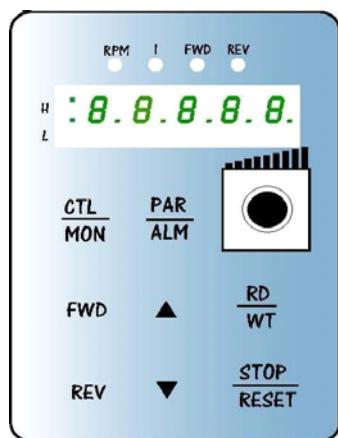
1. R-PANEL	3
1.1 CONTROL MODE 【CTL MODE】	3
1.2 MONITOR MODE 【MON MODE】	3
1.3 PARAMETER EDITING MODE 【PAR MODE】	4
1.4 ALARM MODE 【ALM MODE】	4
1.5 RD / WT 【SINGLE-WORD】 / 【DOUBLE-WORD】 PARAMETERS.....	5
1.6 【SINGLE-WORD】 / 【DOUBLE-WORD】 NEGATIVE NUMBERS.....	6
2. ALARM MODE 【ALM MODE】 CODE DESICRIPTION	7
3. 【DEFINITION OF CABLES】	8
4. R-PANEL SIZE	9

1. R-PANEL

There are 5 Seven-segment displays, 6 LEDs, 8 buttons, and 1 AIP on this PANEL.

All control modes will be introduced below :

1.1 Control Mode 【CTL MODE】



Press "CTL/MON" button to change between CTL and MON mode.

After pressing "CTL/MON" button, if neither "RPM" nor "I" LED lights up, means it's now under "CTL MODE," user can control the motor directly.

The function description of buttons and AIP is as below:

【AIP】 : Rotate the VR to provide a voltage to CPU, the resolution is form 0 to 4095(12bits)

【FWD】 : Motor RUN Forward command (DI5 ON; DI6 OFF)

【REV】 : Motor RUN Reverse command (DI5 OFF; DI6 ON)

【STOP】 : Motor STOP command (DI5 OFF; DI6 OFF)

1.2 Monitor Mode 【MON MODE】

Press "CTL/MON" button to change between CTL and MON mode.

Press down and Hold "CTL/MON" button, if "RPM" lights up, the drive is under "MON MODE," user can monitor some status of Drive like speed "RPM," frequency "RPM" and current "I," and can control motor RUN Forward, Reverse, and Stop.

[Caution] :『When R-PANEL connect to: JMD-SERIES-DRIVER』

- Neither "RPM" nor "I" light up, the drive is under "CTL MODE," the display shows Pr.056: RPM.
- Only "RPM" light up, the drive is under "MON MODE," the display shows Pr.056: RPM.
- Only "I" light up, the drive is under "MON MODE," the display shows Pr.018: I_RMS (Ampere).

[Caution] :『When R-PANEL connect to: IRIS-SERIES-DRIVER』

- Neither "RPM" nor "I" light up, the drive is under "CTL MODE," the display shows Pr.019: RPM.
- Only "RPM" light up, the drive is under "MON MODE," the display shows Pr.019: RPM.
- Only "I" light up, the drive is under "MON MODE," the display shows Pr.204: AMP (%).

The function description of buttons is as below:

【FWD】 : Motor RUN Forward command (DI5 ON; DI6 OFF)

【REV】 : Motor RUN Reverse command (DI5 OFF; DI6 ON)

【STOP】 : Motor STOP command (DI5 OFF; DI6 OFF)

【▲】 : Change monitor parameter.

【▼】 : Change monitor parameter.

1.3 Parameter Editing Mode [PAR MODE]

Press "PAR/ALM" button to change between PAR and ALM mode.

Press "PAR/ALM," if display shows "Pr.nnn," the drive is under "PAR MODE," both "RPM" and "I" light up.

User can Edit or Monitor all parameters under this mode. The operate steps is as follows:

【Step1】 : Press "PAR/ALM," the display shows "Pr.nnn." (nnn means parameter number: 000~999)

【Step2】 : Press ▲ or ▼ to change parameter number, press "STOP" to change the digital position.

【Step3】 : Press "RD/WT" to read the value of selected parameter.

【Step4】 : Press ▲ or ▼ to verify the value, press "STOP" to change the digital position.

【Step5】 : Press "RD/WT" to write down the parameter.

Repeating step 1 ~ 5 to verify other parameters.

1.4 ALARM MODE [ALM MODE]

Press "PAR/ALM," to change between "PAR MODE" and "ALM MODE."

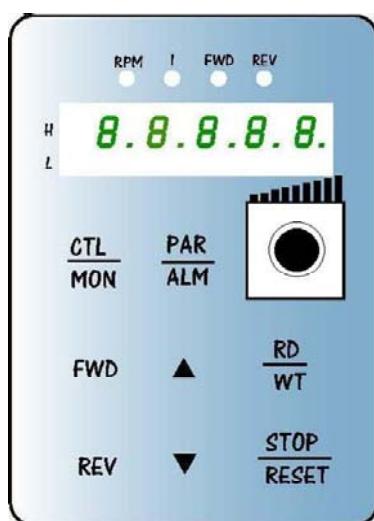
Continuously press "PAR/ALM," if the display shows "A0-xx," the drive is under "ALM MODE."

User can observe last four alarm record or RESET drive under this mode.

Press ▲ or ▼ to see historical alarm record.

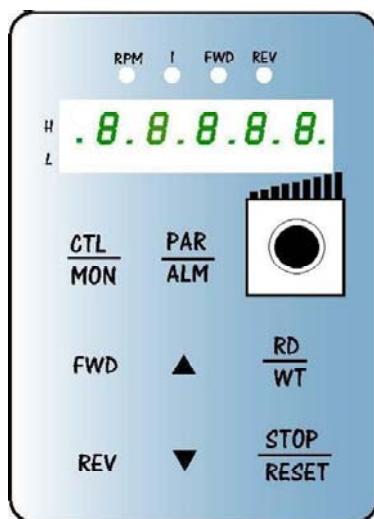
Press "STOP/RESET," to reset drive.

1.5 RD / WT 【Single-Word】 / 【Double-Word】 Parameters



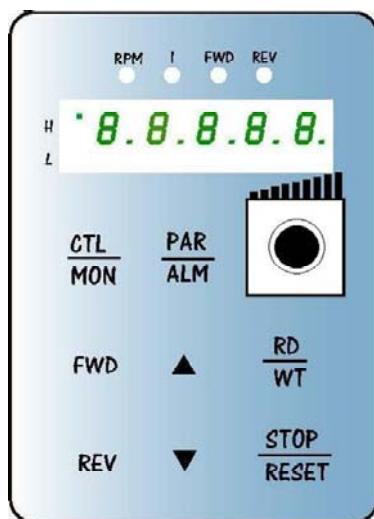
【Parameters belong to Single-Word】

- ※ R-PANEL connect to JMD-SERVO
- Press "PAR/ALM" button to enter "PAR MODE," press ▲ or ▼ to change parameter number.
Press "RD/WT" button, to read parameter value.
- If the parameter is belong to 【Single Word】 , the panel shows as the picture.
- Press ▲, ▼, or "STOP" button to change the value.
The display is flashing on this time.
- After deciding the value, press "RD/WT" button to write down the value. The display stop flashing means the value written down.



【Parameters belong to Double-Word display of low word】

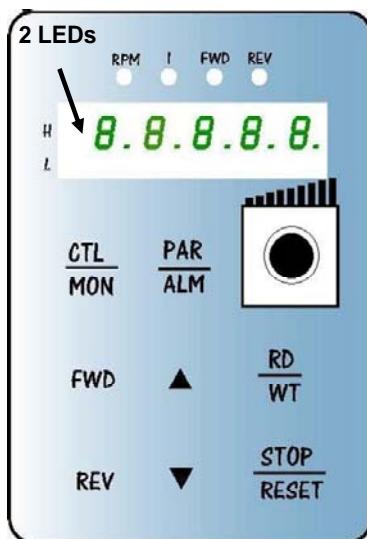
- ※ R-PANEL connect to JMD-SERVO
- Press "PAR/ALM" button to enter "PAR MODE," press ▲ or ▼ to change parameter number. Press "RD/WT" button, to read parameter value.
- If this parameter belongs to low word of a Double Word, the panel shows as the picture.
- To change to high word, press [FWD] .
- Press ▲, ▼, or "STOP" button to change the value.
The display is flashing on this time.
- After deciding the value, press "RD/WT" button to write down the value. The display stop flashing means the value written down.



【Parameter belong to Double-Word display of high word】

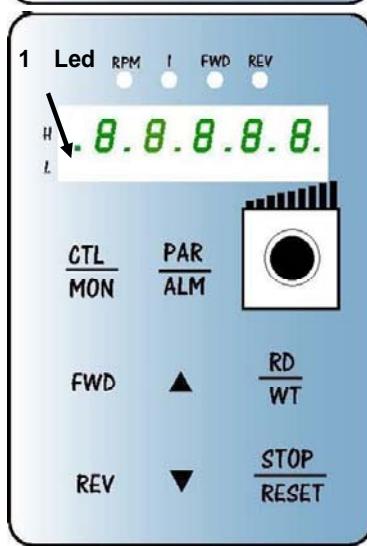
- ※ R-PANEL connect to JMD-SERVO
- Press "PAR/ALM" button to enter "PAR MODE," press ▲ or ▼ to change parameter number. Press "RD/WT" button, to read parameter value.
- If this parameter belongs to high word of a Double Word, the panel shows as the picture.
- To change to high word, press [REV] .
- Press ▲, ▼, or "STOP" button to change the value.
The display is flashing on this time.
- After deciding the value, press "RD/WT" button to write down the value. The display stop flashing means the value written down.
-

1.6 [Single-Word] / [Double-Word] Negative Numbers



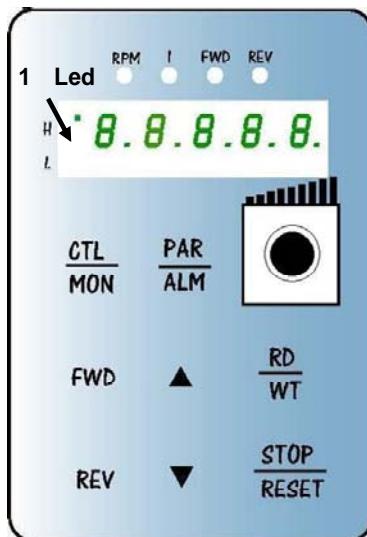
[Parameters belong to signed Single-Word]

- Refer to previous chapter, read or write parameters.
- To change between Positive and Negative, press “STOP” button for one second under “EDIT” status.
 - Only under “EDIT” status can change the sign.
 - Under this status, if the value is negative 2 LEDs flash.
 - Under this status, if the value is positive 2 LEDs lit up.
- ※ Edit status means one of the seven-segment displays flashing.
- ※ STOP button works only when parameters are signed.
- ※ If 2 LEDs not lit up, the value is positive single word.
- ※ If 2 LEDs flashing, the value is negative single word.
- ※ 示屬於【負數】的【Single Word】



[Parameters belong to signed Double-Word low word]

- Refer to previous chapter, read or write parameters.
- To change between Positive and Negative, press “STOP” button for one second under “EDIT” status.
 - Only under “EDIT” status can change the sign.
 - Under this status, if the value is negative 1 LED flash.
 - Under this status, if the value is positive 1 LED lit up.
- ※ Edit status means one of the seven-segment displays flashing.
- ※ STOP button works only when parameters are signed.
- ※ If 1 Led lit up, the value is positive.
- ※ If 1 Led flashing, the value is negative.



[Parameters belong to signed Double-Word high word]

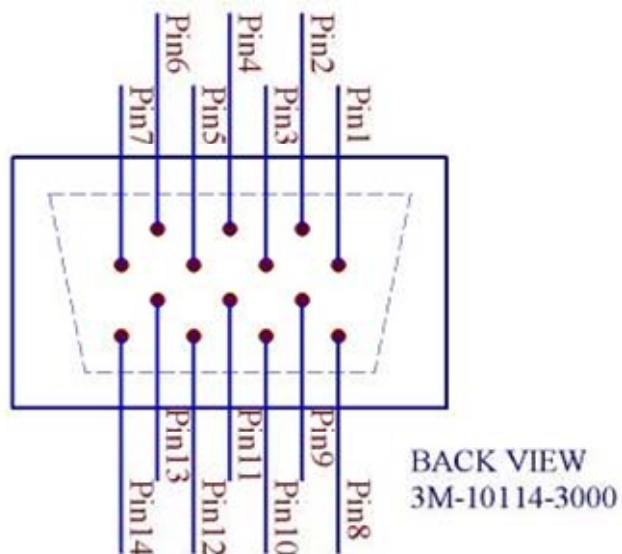
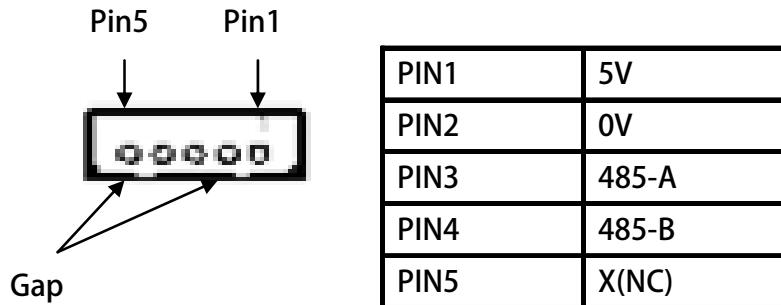
- Refer to previous chapter, read or write parameters.
- To change between Positive and Negative, press “STOP” button for one second under “EDIT” status.
 - Only under “EDIT” status can change the sign.
 - Under this status, if the value is negative 1 LED flash.
 - Under this status, if the value is positive 1 LED lit up.
- ※ Edit status means one of the seven-segment displays flashing.
- ※ STOP button works only when parameters are signed.
- ※ If 1 Led lit up, the value is positive.
- ※ If 1 Led flashing, the value is negative.

2. ALARM MODE [ALM MODE] CODE DESCRIPTION

ALARM CODE	DESCRIPTION and TROUBLESHOOTING
A0 - no	A0 — no → No Error No Error
A0 - PG	A0 — PG → PG Error Motor encoder signal feedback error
A0 - CF	A0 — CF → Fan Error Fan speed too slow or stopped
A0 — SE	A0 — SE → Memory Error EEPROM memory error
A0 — ES	A0 — ES → Emergency Stop Drive received emergency stop command from digital input or communication.
A0 — OD	A0 — Od → Discharge Overtime Drive electrical discharge time over protection time.
A0 - OL	A0 — OL → Over Load Drive over load time over protection time
A0 - OH	A0 — OH → Over Heat Temperature of heat sink over heat
A0 - OP	A0 — OP → Over Power Voltage over capacitance too high.
A0 - UP	A0 — UP → Low Power Voltage over capacitance too low, please check the power source.
A0 - OC	A0 — OC → Over Current Current output over protection level
A0 — Er.	A0 — Er. → Communication Fail Communication between panel and drive failed

3. [Definition of Cables]

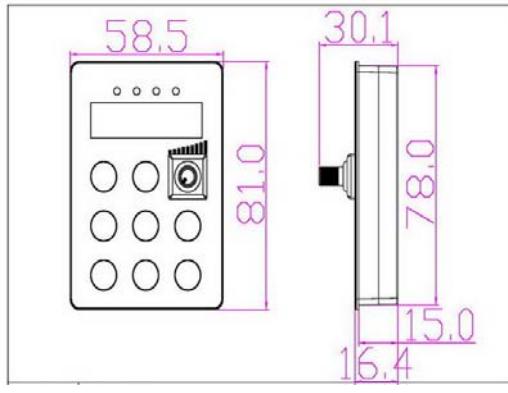
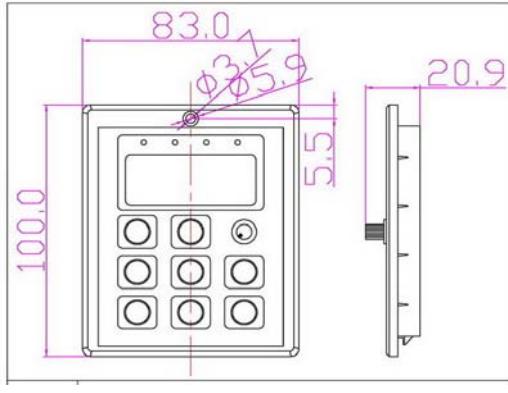
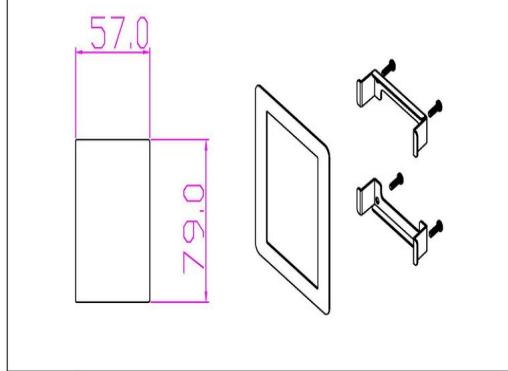
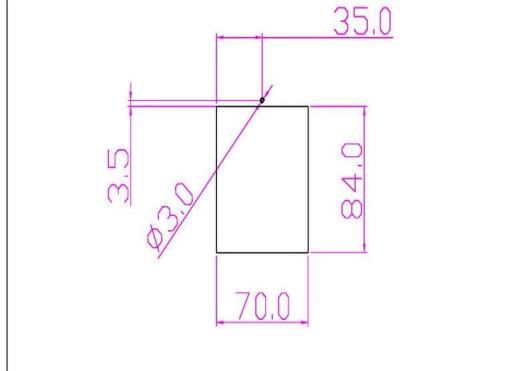
JAM SC-5P Connector :



RS-485(RXSW→High)

(Pin No)	JPS Definition	Description
6	RXSW	Connect to V5(Pin8 or Pin10)
1	485-A	
3	485-B	
2,4	VSS	0V Panel needs power from drive.
8,10	V5	5V Panel needs power from drive.

4. R-PANEL SIZE

馬力數 (HP)	0.5~5HP	3~224HP
面板類型 (PANEL)		
r-PANEL		
面板尺寸 (PANEL SIZE)		
開孔建議 (hole size recommend -ation)		

(Unit:mm)