



F700-NA Series

Variable Frequency Drives

Model Configuration

◆ Inverter type

FR - **F740** - **00126** - NA

Symbol	Voltage Class
F720	Three-phase 200V class
F740	Three-phase 400V class

Symbol		Type Number
200V class 00046 to 04750	400V class 00023 to 12120	Displays the rated current

◆ Model lineup

Applied Motor <HP>	1	2	3	5	7.5	10	15	20	25	30	40	50 60	60	75	100 125	150	200	250	300	350	400	450	500	550	650	700	800	900	1000
3-Phase 200V class FR-F720-_-NA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
3-Phase 400V class FR-F740-_-NA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

F700 Version Up (with PLC and Pump Functions)

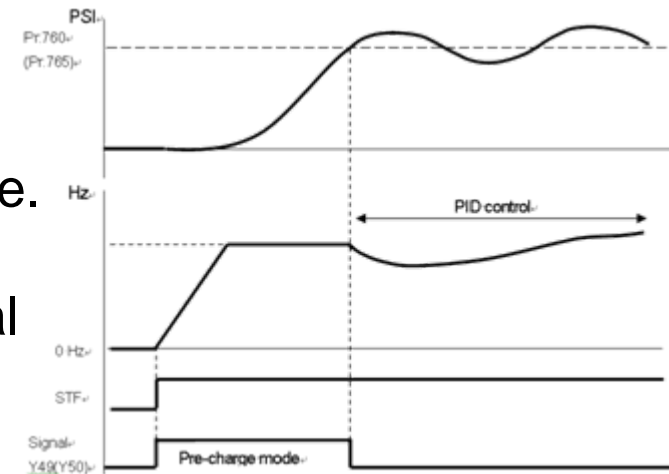


Identifies Version Up model

Ideal for Fans and Pumps

1. Pre-charge function

- Possible to eliminate water hammer and extend system life by gradually filling pipeline. The end of pre-charge function can be selected at the feedback level or the terminal input or time over.



2. Detection for current input

- Operation can be selected by detecting the disconnection of 4mA input.

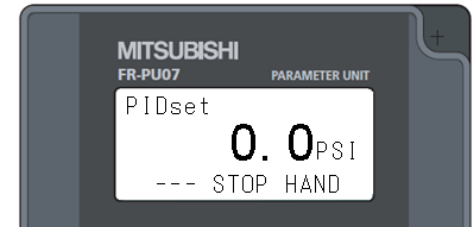
No detection
Detect the loss of 4mA input, output LF signal, inverter continues operation at present frequency.
Detect the loss of 4mA input, the inverter trips.
Detect the loss of 4mA input, output LF signal, the inverter trips after the motor is decelerated to a stop.
Detect the loss of 4mA input, output LF signal, inverter continues operation at the setting frequency.

3. Second PID function

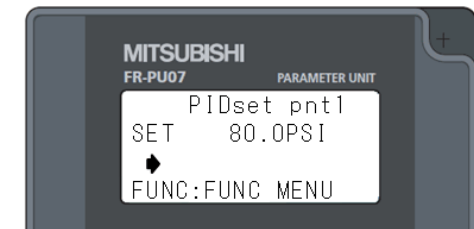
- Possible to exchange the PID control loop by the RT terminal.

4. Direct setting for PID set-point

- Easy to change the PID set-point with the parameter unit (FR-PU07-01).
“Direct setting menu” is displayed by the one button (“FUNC” button).



Monitor mode



Direct setting mode

5. Unit indicator for PID control

- Possible to change the unit indicator for the PID monitors and PID parameters on the parameter unit (FR-PU07-01).

Ex.

PSI(Pound-force per Square Inch)
GPM(Gallon per Minute)
CFM(Cubic Feet per Minute)



GPM(Gallon per Minute)

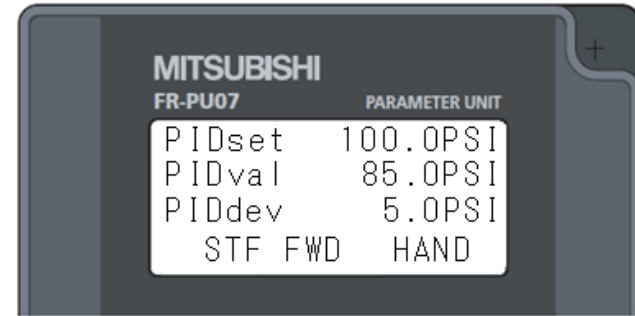


PSI(Pound-force per Square Inch)

6. Three line selectable monitor



- Possible to display the value of the selected monitor at the three line monitors.
The parameter unit (FR-PU07-01) is required.



3 line monitor

7. Operation key and operation mode indication



- The operation key and the operation mode indication of the parameter unit (FR-PU07-01) are “HAND” and “AUTO”.



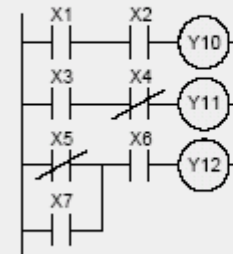
8. Built-in PLC



- Ability to create custom control programs
 - 4K steps of memory
 - Download pre-configured pump functions

(Ladder (circuit representation))

Manual operation program



(Ladder (list representation))

Communication processing program

```
LD X50
MOV K1 D0
MOV K4 D3
MOV H3412 D10
MOV HBC5A D11
MOV HF0DE D12
MOV H0A0D D13
GP.BIDOUT U8 DO D10 M0
```

9. Two Option Ports



- Expand available I/O points such as digital inputs and outputs, Form C relays and analog



*Thank you very much
for your attention*