

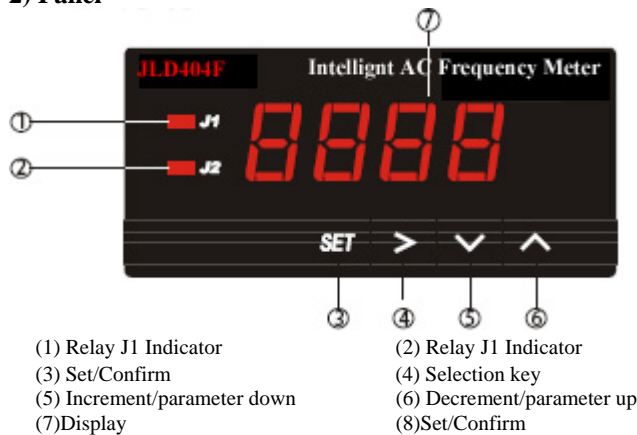
Features

- Support AC input: 0-500V
- Industries quality frequency monitoring device
- Range: 20.00~99.99Hz
- Dual relay output: Alarm or Control (optional)
- Transmission data output (Analog) (optional)
- RS485 communication port(optional)

1) Specification (note: not all model support programming functions)

- Operating voltage: AC85~260VAC(DC85V~360V), 3W(VA)
- Input: AC 0~500V
- Range: 20.00~99.99Hz
- Output: Relay J1 & J2 (Analog signal & RS485 is optional)
- Out of range: "EEEE" or "-EEE"
- Expandable(need a proper DC shunt, programmable)
- Power 0.001W~9999KW
- Accuracy: +/- 0.5%
- LED Display: Power (Red or Blue/0.56")
- Temperature: 0~ +50°C
- Humidity: <<85% RH
- Relay capacity: AC220V/3A
- Relay Life Span: 10^5 times
- Dimension: 96*48*82(mm), Mounting hole: 92*44(mm)

2) Panel



- (1) Relay J1 Indicator
(2) Relay J1 Indicator
(3) Set/Confirm
(4) Selection key
(5) Increment/parameter down
(6) Decrement/parameter up
(7)Display
(8)Set/Confirm

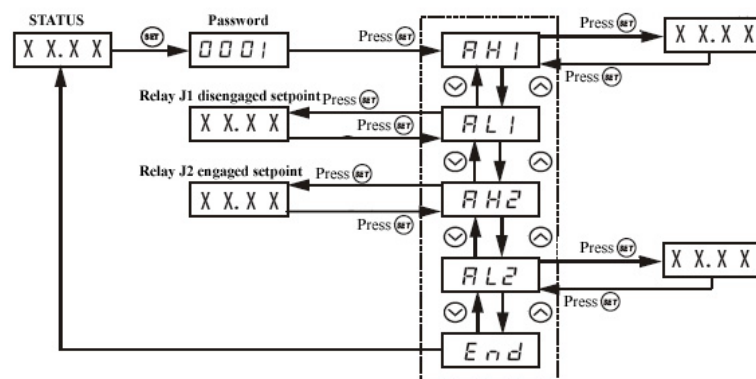
3) Key setting

- Press **SET** to enter programming mode
- Input Password using **>**, **<**, **<**
- Press **<**, **<** to set parameters
- Press **SET** to save change

Parameter setup: Press **SET**, enter pass code: **0001**

Fig 1

Fig2



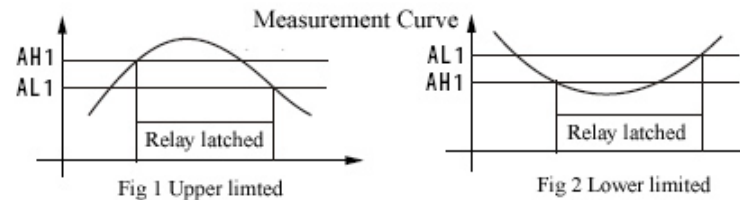
Parameters

Symbol	Name	Definition	Range	Default	Remark
RH1	AH1	Relay J1 engaged value	00.00~99.99	65.00	1
AL1	AL1	Relay J1 disengaged value	00.00~99.99	40.00	1
RH2	AH2	Relay J2 engaged value	00.00~99.99	65.00	1
AL2	AL2	Relay J2 disengaged value	00.00~99.99	40.00	1
End	End		END/Exit		

Alarm/relay(J1,J2) operation

AH1 & AH2 are the latched value, where AL1 & AL2 unlatched value

1. Set AH1=AL1(AH2=AL2), relay disable
2. Set AH1>AL1(AH2>AL2), when measured value \geq AH1, the relay will latch; when AL1 \geq measured value, relay unlatched. This is for 'upper limited' configuration. See Fig 1.
3. Set AH1<AL1(AH2<AL2), when AH1 \geq measured value, the relay will latch; when measured value \geq AH1, the relay unlatched. This is for the "lower limited" configuration. See Fig 2



Transmission variable(Analog output): Press **SET**, enter code **0042**

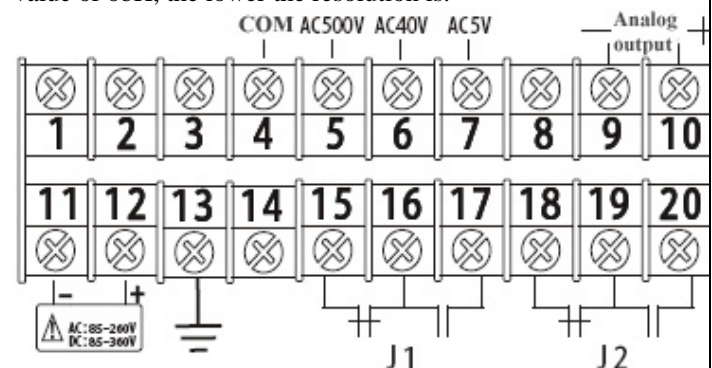
Symbol	Name	Definition	Range(mA)	Default	Remark
obty	obty	Output mode	0-20/01-10/4-20	4-20	2
obL	obL	Output(lower)	00.00 ~ 99.99	99.99	3
obH	obH	Output(upper)	00.00 ~ 99.99	20.00	4
End	End	End of setting			

3) Transmission Parameters setup:

*2 Transmission mode(obty): Output selection either in 0-20mA or 4-20mA, or 0-10mA

*3 Transmission lower limit(obL): output is either in 0mA or 4mA

*4 Transmission upper limit(obH): output is 20mA(or 10mA). Resolution varies depends on the obH setting. The smaller value of obH, the lower the resolution is.



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