JLD 5740 AC/DC Volt Meter

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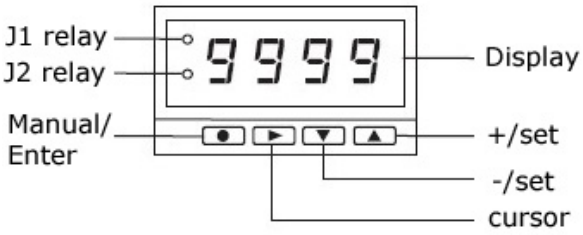
Features

- Support DC V: 500V, 100V, 10V, 1V
- Support AC V: 500V,100V, 10V, 1V
- "Zero", "Full scale", "Decimal" can be set arbitrary
- Range: -1999 ~ 9999
- 3 level filtration programmable
- 0-20mA Current output (optional)

1) Specification

- Operating voltage: DC 9~30V, 2Watt
- DC Input Range: -19999~9999
- AC Input Range: 0~9999
- Accuracy: DC 0.8%, AC 1.0%
- Frequency response: 40~400Hz
- Overload: "EEEE" or "-EEE"
- LED Display: Power (0.56")
- Temperature: 0~ +50'C
- Humidity: <<85% RH
- Relay handling: AC220V/3A
- Relay Life Span: 10^5
- Trans-current accuracy: 0.8%
- Dimension: 79*43*58(mm), Mounting hole: 76*39.5(mm)

2) Panel



3) **Setting**

(a) Input type setting. Password: 0089

Signal Type	Code	Input Range	Remark
DC	0	-100~500V	*5
	1	-20~100V	
	2	-2~10V	
	3	-0.2~1V	
AC	4	0~500V	
	5	0-100V	
	6	0~10V	
	7	0~1V	

- Press (SET) to enter programming mode
- Input Password using (>), (v), (^)
- Press (v), (^) to set parameters
- Press (SET) to save change

(b) Parameters setting. Password: 0036

Symbol	Name	Description	Range	Default	Remark
PvL	PvL	Zero	-19999~9999	0	*1
PvH	PvH	Full Scale	-1999~9999	500	*2
dot	dot	Decimal	0~3	1	*3
FILt	Filt	Filtration	0~3	0	*4
End	End				

*1: Zero(PvL) To correct the meter from offset. Show "0000"
*2. Full scale (PvH): Display for max input.
*3. Decimal point position: Can be set arbitrary
*4. Digital filtration: Use it if reading is fluctuate caused by noise
*5. Only DC can display "-" and up to 20% of the full scale value (example: full scale set to DC 500V and the meter is capable to display from –100V ~ 500V)

(c)Alarm (J1,J2) setting. Password "0001")

Symbol	Name	Description	Range	Default
AH1	AH1	Relay J1 Latched	-19999~9999	10
AL1	AL1	Relay J1 Unlatched	-19999~9999	20
AH2	AH2	Relay J2 Latched	-19999~9999	30
AL2	AL2	Relay J2 Unlatched	-19999~9999	40
End	End	End		

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 ≥ AH1, the relay will latch; when AL1 ≥ measured value, relay unlatched. This is for 'upper limited' configuration. See Fig 1.

Set AH1<AL1(AH2<AL2), when AH1 ≥ measured value, the relay will latch; when measured value ≥ AH1, the relay unlatched. This is for the "lower limited" configuration.

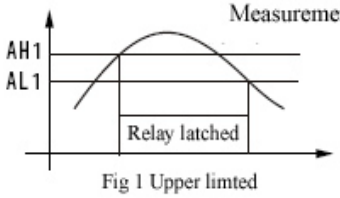


Fig 1 Upper limted

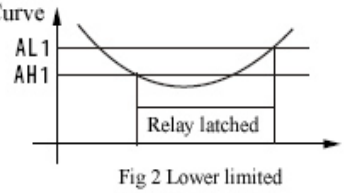
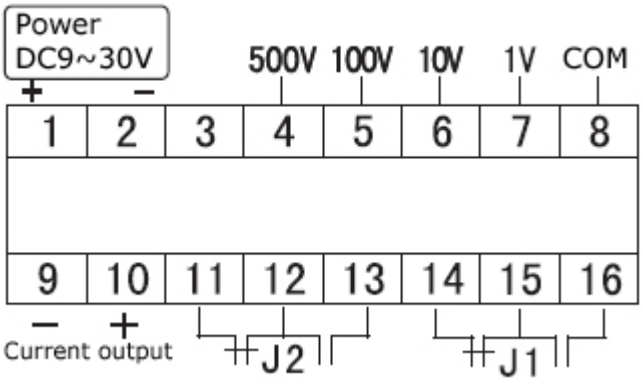


Fig 2 Lower limited

(d) Transmission Output. Password 0042
(note: this function does not apply to all model. It's optional)
1) Table of transmission parameters

Symbol	Name	Definition	Range	Default
oby	obty	Output mode	0-20/4-20	4-20
obL	obL	Output(lower)	0~9999	000.0
obH	obH	Output(upper)	0~9999	500.0
End	End	End of setting		

2) Procedures of setting up Transmission is similar to the measurement setup
3) Parameters definition:
*8 Transmission mode(obty): Output selection either in 0-20mA or 4-20mA
*9 Transmission lower limit(obL): output is either in 0mA or 4mA
*10 Transmission upper limit(obH): output is 20mA. Resolution varies depends on the obH setting. The smaller value of obH, the lower the resolution is. To set the decimal point, press ⊙ or ⊙ for W or KW selection



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