

FU8X6X

SERIES DC 4-20mA OUTPUT TEMPERATURE DIGITAL METER WITH RS485

FU8X6X series DC4-20mA output temperature digital meter has replaced the traditional digital meter products. This product has the function of traditional products, also has programmable functions, DC4-20mA optional analog output, Optional RS485 communication interface port and the switching power output function. It has high accuracy, excellent EMC, and pleasing in appearance and so on.

Application

1. Industrial system;
2. Intelligent building;
3. Data transmission center;
4. Power monitoring system;
5. Commercial, industrial, utility;
6. High voltage distribution cabinet;
7. Low voltage distribution cabinet;
8. Electric energy metering cabinet;
9. Industrial and mining enterprises;
10. Medium and low voltage systems;
11. Energy consumption monitoring system;
12. Metering of distribution feeders, motors;
13. Electric energy metering of photovoltaic power station;



Features

1. LED and LCD display optional;
2. Temperature digital panel meter;
3. Switching power output function;
4. DC4-20mA optional analog output;
5. Optional RS485 communication port;
6. 96×96mm, 96×48mm, 48×48mm panel optional;
7. High accuracy, excellent EMC and good appearance;

Optioanal Design

1		2		3		4	
Dimension: 48x48x100mm Trepanning: 45x45mm		Dimension: 120x120x81mm Trepanning: 111x111mm		Dimension: 96x96x98mm Trepanning: 92x92mm		Dimension: 96x48x112mm Trepanning: 91x45mm	

Parameters

Name	Measurement type
Programmable	Address, baud rate and other parameters.
Accuracy	0.5 class
Display figures	4 bits (4½ bits for DC)
Rated input	Temperature: PT100,J,K,T,E thermocouple.
Power supply	AC220V ± 20% or DC100-300V (Customization)
Power consumption	<3VA
Insulation strength	2KV/Min. 2mA
Insulation resistance	≥100MΩ
MTBF	≥50000Hrs
Working Environment	Temperature: -25 to +55°C Humidity: ≤98% RH, without condensation
Real-time output	DC4-20mA, load capacity: ≤400Ω
Data output	RS485 port (Modbus-RTU protocol)
Switching input	Remote signal input (self power supply): AC or DC 220V
Switching output (Self-control)	Normally open contact output: AC 250V/DC 30V, 5A

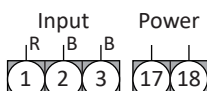
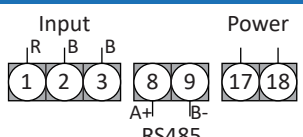
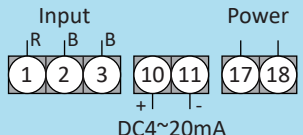
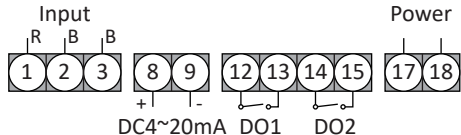
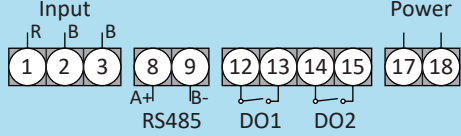
Model Description

FU8 - Dimension - Product code - 6 - Display	
Dimension code	0: 48 x 48 x 100mm 3: 96 x 96 x 98mm 4: 96 x 48 x 112mm

FU8 - Dimension - Product code - 6 - Display - continued

Product code	6: Temperature
	0: Display only
	1: RS485
	2: 1DO
	3: 1AO
Function code	4: 1DO + RS485
	5: 1AO + RS485
	6: 1DO + 1AO
	7: 1DO + 1AO + RS485
	8: 2DO + 1AO
	9: 2DO + RS485
Display	LED

Wiring Diagram

Model	Pictures	Function	Connecting
FU8060Y	Picture 1	4 Bits Display+RS485	 Thermocouple connect pin 1, 2
FU8360	Picture 2		
FU8360Y	Picture 3		
FU8460	Picture 4		
Model	Pictures	Function	Connecting
FU8061Y	Picture 1	4 Bits Display+RS485	 RS485
FU8361	Picture 2		
FU8361Y	Picture 3		
FU8063Y	Picture 1	4 Bits Display+DC4~20mA	 DC4~20mA
FU8363	Picture 2		
FU8363Y	Picture 3		
FU8068Y	Picture 1	4 Bits Display+DC4~20mA+2DO	 DC4~20mA DO1 DO2
FU8368	Picture 2		
FU8368Y	Picture 3		
FU8069Y	Picture 1	4 Bits Display+RS485+2DO	 RS485 DO1 DO2
FU8369	Picture 2		
FU8369Y	Picture 3		

Notes: DO: Digital singal output (Self-control) RS485: RS485 Communication interface port