



Recorder



Flow



Pressure



Temp



Analyzer



Level

Datasheet

Digital display controller

SUP-2200

Supmea[®]

Committed to process automation solutions

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Datasheet**Digital display controller
SUP-2200**

SUP-2200 dual-circuit digital display controller adopts surface mount technology and is produced by automatic placement machine, which has strong anti-interference ability. This instrument supports input of various signal types, and can be used with various sensors and transmitters to achieve the measurement of physical quantities such as temperature, pressure, liquid level, speed, force, etc. It has output functions such as alarm control, analog transmission output, and 485/232 communication, with dual-screen digital tube display, can freely set the display content of the upper and lower windows. It can customize the mathematical operation function, and can perform addition, subtraction, multiplication, and division operations for two-channel measurement signals, and its application range is very wide.

Applications

- Seawater
- Wastewater
- Food industry
- Liquid cumulative flow measurement
- General gas cumulative flow measurement
- Superheated steam cumulative flow measurement

Features

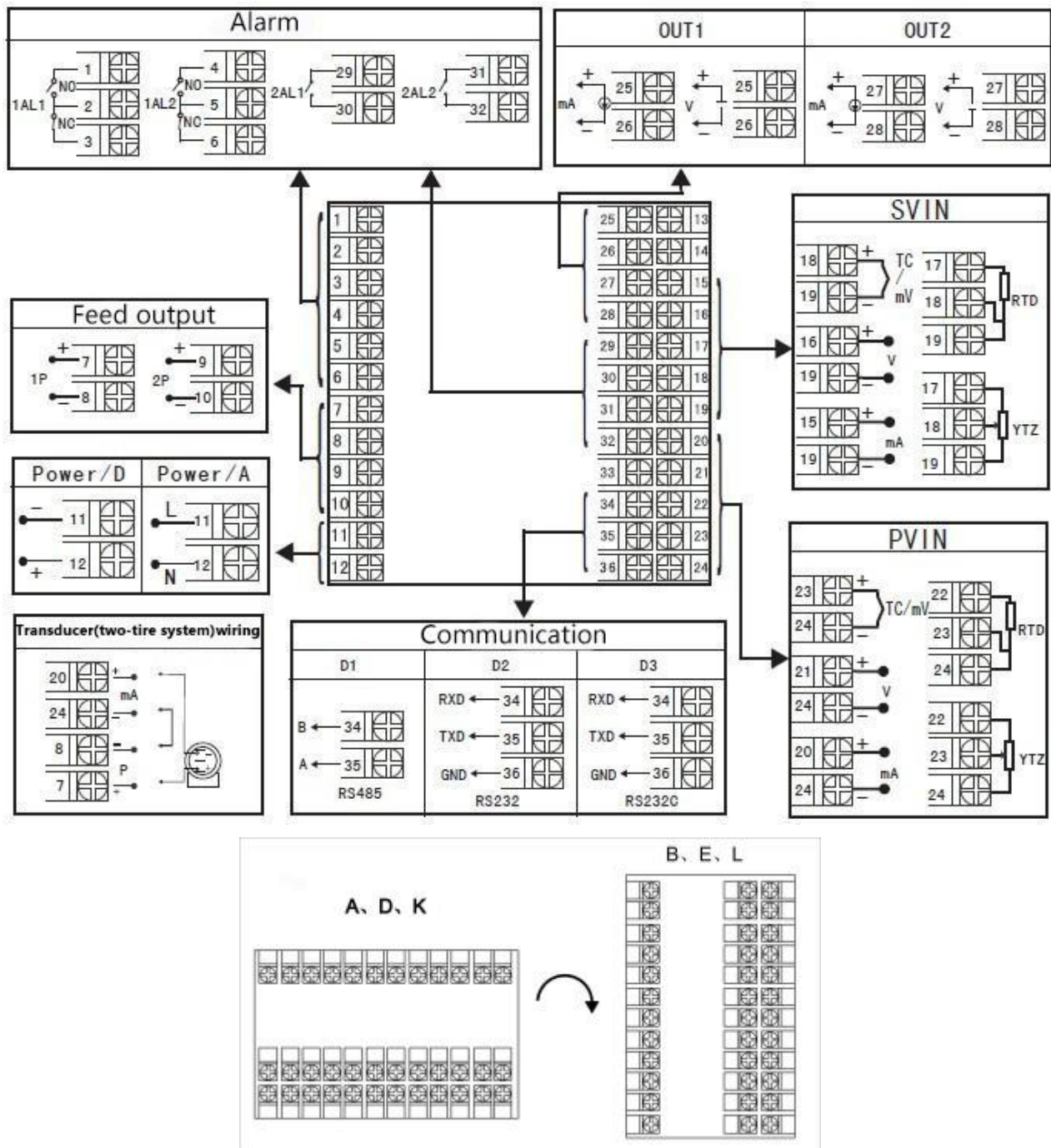
- Double four-digit LED display
- 7 types of dimensions available
- Standard snap-in installation
- Power supply: 100-240V AC or 20-29V DC
- Standard MODBUS protocol

**Digital display controller**

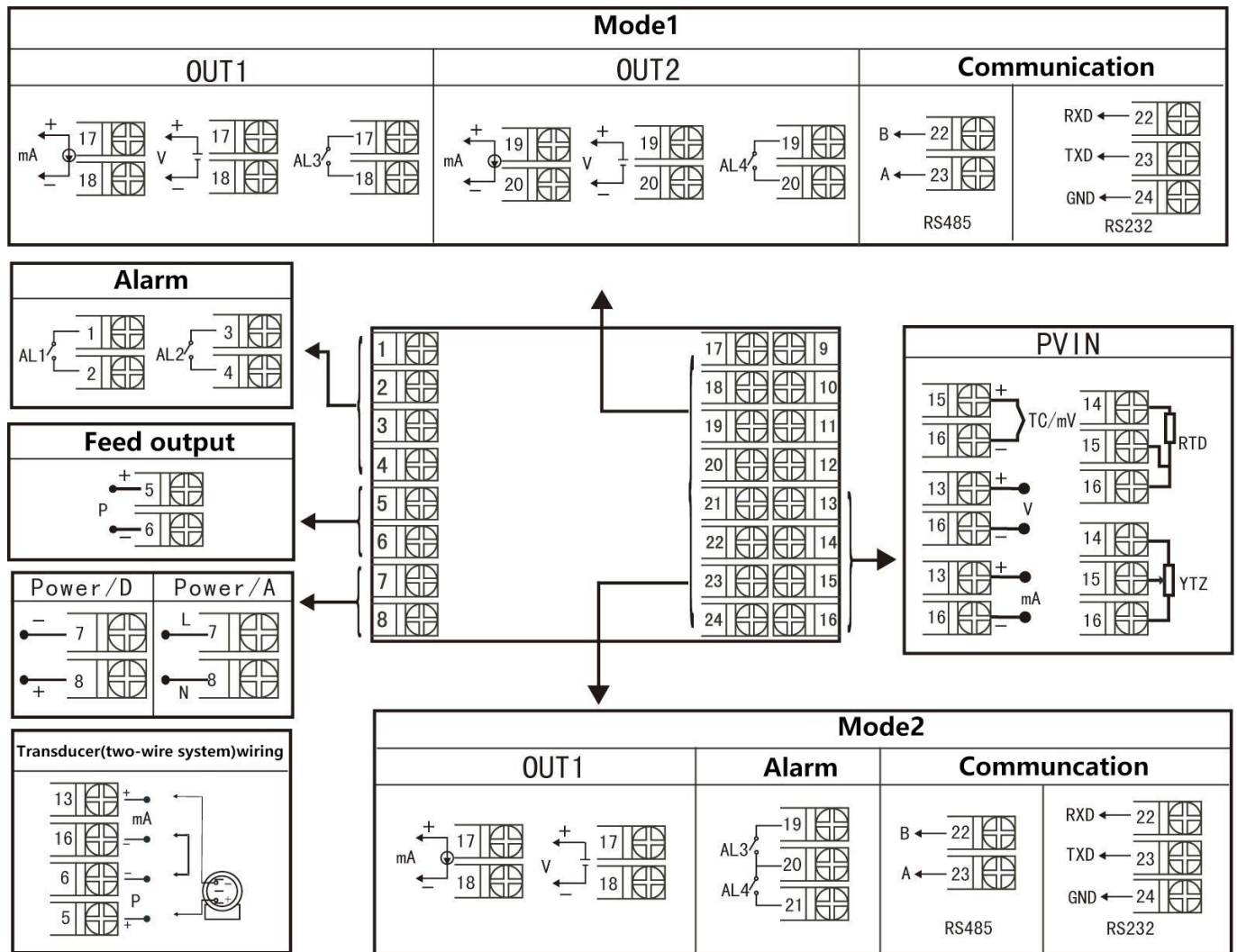
Parameters	
Accuracy	0.2%FS
Setting	Panel touch key digital setting;Parameter setting value password lock;The set value is permanently saved when the power is turned off
Display	-1999-9999;0-100%(light beam)
Operation condition	0-50℃;Relative humidity:≤85%RH;Avoid strong corrosive gas
Power supply	AC100-240V,50-60HZ;DC20-29V
Consumption	≤5W
Structure	Snap in
Communication	MODBUS(standard);RS485(1km),RS232(15m)
Input signal	Current,voltage,resistance,galvanic couple
Input resistance	≤250Ω(current)
	≥500KΩ(voltage)
Input maximum current	≤30mA
Input maximum voltage	≤6V
Output signal	Current,voltage,relay,24V
Output load	≤500Ω(current)AC220V/
	≥250KΩ(voltage)
	AC220V/0.6,DC24V/0.6A;AC220V/3A,DC24V/3A
	≤30mA(24V)

Wiring

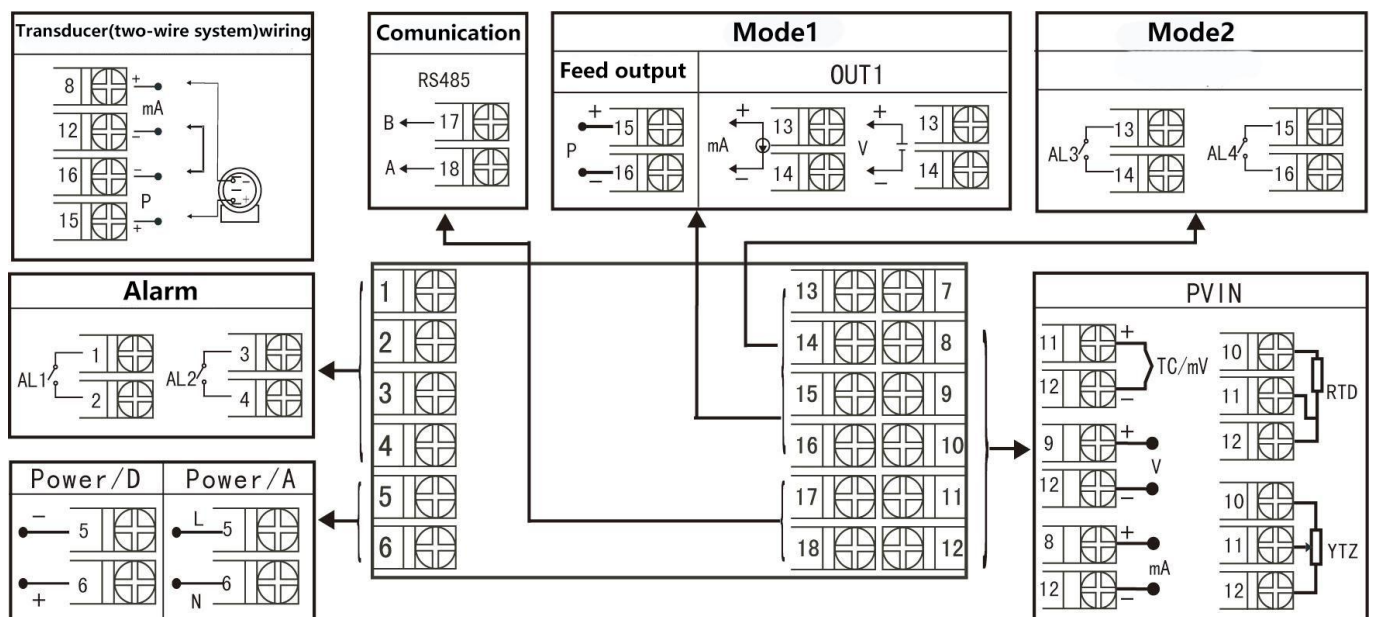
Type A,B,C,D,E,K,L,M wiring:



Type F wiring:



Type H wiring:



Ordering code

SUP-2200-DS1-IT2-O1T0-O2T0-D0-A0-DO0-V1									Description
SUP-2200	-	-	-	-	-	-	-	-	
Dimension	DS1								160×80×110mm
	DS2								80×160×110mm
	DS3								96×96×110mm
	DS4								96×48×110mm
	DS5								48×96×110mm
	DS6								72×72×110mm
	DS7								160×80×110mm
	DS8								80×160×110mm
Input		IT2							2circuit
First circuit output		O1T0							Non
		O1T1							(4 ~ 20) mA
		O1T2							(0 ~ 20) mA
		O1T3							(0 ~ 10) mA
		O1T4							(1 ~ 5) V
		O1T5							(0 ~ 5) V
		O1T6							(0 ~ 10) V
Second circuit output		O2T0							Non
		O2T1							(4 ~ 20) mA
		O2T2							(0 ~ 20) mA
		O2T3							(0 ~ 10) mA
		O2T4							(1 ~ 5) V
		O2T5							(0 ~ 5) V
		O2T6							(0 ~ 10) V
Communication					D0				Non
					D1				RS485
					D2				RS232
					D3				RS232C
Relay					A0				Non
					A1				1circuit
					A2				2circuit
					A3				3circuit
					A4				4circuit
Distribution							DO0		Non
							DO1		1circuit
							DO2		2circuit
Power supply							V1		24VDC
							V2		220VAC