

MPM/MDM484ZL Intelligent Pressure/Differential Pressure Transmitting Controller

Features

- Φ150mm outline, highlight LED with full 4-digit pressure display
- Various power supply optional
- RS485 interface with Modbus RTU protocol, convenient for networking and data transmission
- Available for remote setting for zero and span display value and control value
- Site setting for controller's specification, zero and password classification management by keys
- Analog output 4mA~20mADC or 0V~10VDC
- 5-way controlling contact, contact value and status with any setting available
- Return difference setting for each controlling contact to avoid contact chattering, stable operation
- Reliable EMC protection design
- Vertical / axial mounting available, convenient for site application

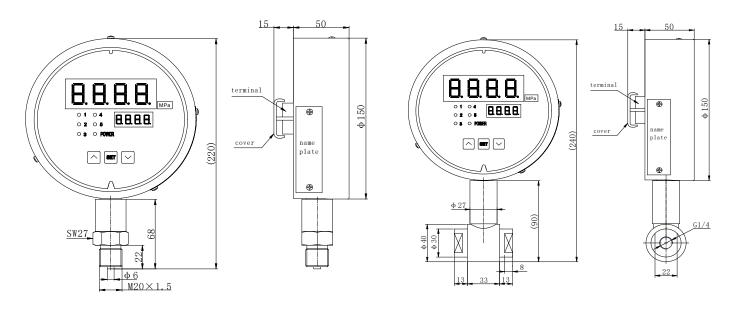
Introduction

MPM/MDM484ZL Intelligent Pressure/ Differential Pressure Transmitting Controller is a full-digital measurement and control product combining pressure/differential pressure measurement, display, relay control and output together with RS485 interface with Modbus_RTU protocol. It can be installed in pressure/differential pressure measurement places or control panel of test-bed. Users could set many kinds of parameters including zero, span value and controlling contact value by keys and also could realize networking, digital signal transmission and remote setting and calibration for transmitter parameters through RS485 bus function. It is widely used in industrial controlling areas including hydro-power, metallurgy and chemical industry for pressure/differential pressure measurement and control of fluid.

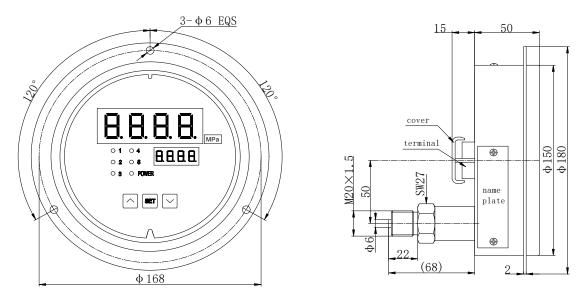


<pre>MPM484ZL Pressure range: -100kP0kPa~</pre>	Power supply: 220V AC/ 110~370V DC/24V DC Max Consumption: ≤3.5W Output signal: Analog output: 4mA~20mA DC / 0V~10V DC Digital output: RS485(Modbus RTU protocol) Relay qty.: 1~5 Load: 240V/3A AC / 30V/3A DC Contact life: >100000 times Display: main screen: 4-digit 0.8" red highlight LED secondary screen: 4-digit 0.36" red highlight LED Display range: -1999~9999 Indicator: 2~6 red LED lights
Working temp.: -10°C~60°C	Pressure port: stainless steel 1Cr18Ni9Ti
Media temp.: -10°C~80°C	Electric housing: stainless steel(front shell),
Storage temp.: -40°C~80°	aluminium alloy(bottom shell)
Relative humidity: 0%~80%	Diaphragm: stainless steel 316L
Vibration: acceleration≤3g,	Sealing method: viton or full-welded
frequency 0Hz~300Hz	Pressure port: various types optional
impact: ≤10g	Installation method: vertical and axial mounting

Outline Construction(mm)

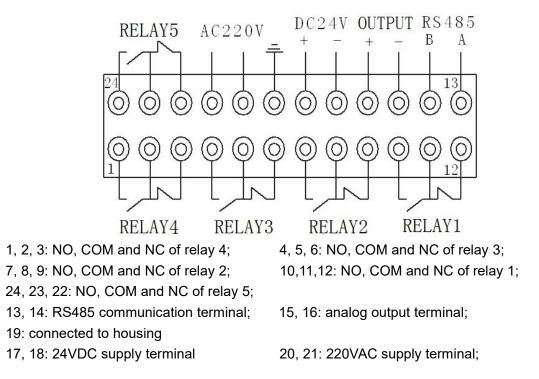


MPM484ZL Pressure Transmitting Controller MDM484ZL Differential Pressure Transmitting Controller



MPM484ZL Pressure Transmitting Controller-Axial mounting

Electric connection



User software

If users choose RS485 interface, we could provide user software of controller series product as shown below:

MPM/MDM484ZL Intelligent Transmitting Controller(V2.0)

Pressure Controller SoftwareVR1.00 (MPM484ZL , MPM460 , MPM484C) Modbus_RTU	
- Port Zone-	Record Zone
Port Num: COM1 ▼ Baud rate: 9600 ▼ W Version: Address: 1 ▼改	Interval Time ○ ▼ m 1 ▼s
-Parameter Zone	
Unit : Kpa • W D Point: Combo2 • W PGA: Combo5 • W Secondary • W Dispaly:	Start Stop
Z Show: Z Collect: Z Output Show: UID:	Number: 000000
S Show: S Collect: S Output Show: Line:	Save data
Relay zone	
Relay Data Relay Mode Relay Data Relay Mode Null Null	<u> </u>
Relay 3: Relay 4: AD ON/OFF Update Show ON/OFF Se	t Zero
Relay 5:	
Relay 7: Relay 8: Full Read Write User	
Relay offset: Write Read Back to Maual	↓ Down
Single Instruction Choose Pro Calibration Output Choose Pro	
Send Data: 000300010001 CRC Send Buffer:	
Byte Num: Recieve Data: Sena Soutput: MPM480	
Please Click "Search" to find Online Product! 2019/3/19	15:15:07 Tuesday

Note: The software version is subject to our website.

Order Guide

MPM484ZL	ZL Intelligent Pressure Transmitting Controller								
MDM484ZL	Intelligent Differential Pressure Transmitting Controller								
	Range	ge Measured range kPa or MPa							
		Pressure	-0.1MPa0MPa~0.01MPa100MPa						
			Pressure	Overpressure kPa		Pressure	Overpressure kPa		
	[0V]		kPa	+	-	kPa	+	-	
	[0~X] kPa or	Differential	0~35	70	35	0~700	1400	700	
	MPa	pressure	0~70	150	70	0~1000	2000	1000	
	ivii a	•	0~100	200	100	0~2000	4000	1000	
			0~200	400	200	0~3500	7000	1000	
			0~350	700	350				
		Code	Output signal						
	E			4mA~20mA DC					
		F	1V~5V DC						
		J	0V~5V DC						
		V	0V~10V DC						
		Q	0mA~10mA DC						
		U	0mA~20mA DC						
		R ₈	RS485 interface (Modbus RTU protocol)						
			Code		Construction material				
			Code	Diaphragm		Pressure port		Housing	

MPM/MDM484ZL Intelligent Transmitting Controller(V2.0)

	1						
			22	SS	S316L	SS	Aluminium alloy
			24	SS	S316L	SS316L	Aluminum alloy
			25	Tan	talum	SS	Aluminium alloy
			35	Tantalum		Hastelloy C	Aluminium alloy
				Code	Code		
				C ₁	C ₁ M20×1.5 male, face type seal		
				C ₃	G1/2 male		
				C ₅	M20×1.5 m	ale, waterline seal	
				Р	Flush diaphragm, G1/2 male		MPM484ZL
				G	Gauge		
				А	Absolute		
				S	Sealed gau	ige	
				C ₄	G1/4 femal	e	MDM484ZL
				х	Axial moun mounting)	ting(default vertical	MPM/MDM484ZL
				J _n	Relay qty. r		
					24V DC		
				V ₂	220V AC(c	70V DC)	
MPM484ZL	[0~200]kPa	F	22	$C_3AJ_2V_1$		the whole spe	ec.

Order note

1. Please remark the power supply (default 24VDC), accuracy (default 0.5), output signal and relay qty. when doing the code selection.

2. If users order RS485 interface products, please download the communication software and instruction from our website.

3. Pressure port can be provided according to users' needs. Please contact us if you have any special requirement.

4. It is suggested that users should make on-site protection when installing and using the product to prevent any possible damages caused by lightning, rain, etc.

5. The range of pressure transmitting controller with Flush diaphragm is 0~70kPa...35MPa;

6. If users choose MDM484ZL products, please pay attention to the relationship between the differential pressure range and the allowable overpressure and maximum pressure of the positive and negative pressure, and should be consistent with the requirements for on-site use. In order to ensure a safe and reliable operation of the transmitter, it is recommended to install a three-valve between the measured point and the transmitter, so that the measured medium is slowly and evenly applied to the positive and negative pressure chambers of the MDM484ZL.

7. If the user has special requirement, please feel free to contact our company.



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