



TM171PBM27R



TM171PDM27R



TM171PDM27S



TM171PFE03



TM171PFE03HR



TM171ASCTB27



TM171ABKPB



TM171ABKPG



TM171DGRP

References

M171 performance logic controllers: Power supply: 24 V ~, 48 V ---

35 mm/1.38 in. rail mounting performance controllers

No. of I/O	Number and type of channels	Embedded communication port	Display	Reference	Weight kg/lb
Inputs	Outputs				
27	9 digital inputs (8 + 1): 2 groups of 4 digital inputs, 24 V ~ or 48 V --- 1 fast digital input, or high speed counter volt-free	7 digital outputs: 2 SPDT (8 A, 230 V ~) with independent common 5 SPST (5 A, 230 V ~) with independent common	1 RS485 1 CAN expansion bus	Remote display (optional)	TM171PBM27R 0.385/0.850
	6 configurable analog inputs: 2 NTC or digital inputs, or 4-20 mA, or 0-5 V, or 0-10 V, or 0-30 kΩ/0-5 kΩ variable resistor, or digital inputs	5 analog outputs: 3 x 0...+10 V or 4-20 mA 2 x 0...+10 V, or 4-20 mA, or digital output open collector		Built-in display 128x64 LCD with backlight	TM171PDM27R 0.385/0.850
		7 digital outputs: 2 SPDT (8 A, 230 V ~) with independent common 3 SPST (5 A, 230 V ~) with independent common 2 SSR (1 A, 230 V ~) outputs	1 RS485 1 CAN expansion bus	Built-in display	TM171PDM27S 0.385/0.850
		5 analog outputs: 3 x 0...+10 V or 4-20 mA 2 x 0...+10 V, or 4-20 mA, or digital output open collector			

Flush mounting performance controllers (to be used with the wall bracket accessory – see below)

Main building performance monitoring and control (to be used with the main building controller) - see below						
No. of I/O	Number and type of channels		Embedded communication port	Display	Reference	Weight kg/lb
	Inputs	Outputs				
3	3 configurable analog inputs: ■ 1 built-in NTC ■ 1 NTC or digital input ■ 1 x 4-20 mA or 0-10 V	—	■ 1 RS485 ■ 1 CAN expansion bus ■ 1 RJ45 for Modbus TCP and BACnet IP (B-AAC profile) and MS/TP (B-AAC profile)	Built-in display	TM171PFE03	0.320/ 0.710
	3 configurable analog inputs: ■ 1 built-in NTC ■ 1 NTC or digital input ■ 1 built-in humidity sensor	—	■ 1 RS485 ■ 1 CAN expansion bus ■ 1 RJ45 for Modbus TCP and BACnet IP (B-AAC profile) and MS/TP (B-AAC profile)	Built-in display	TM171PFE03HR	0.350/ 0.770

Accessories for M171 performance logic controllers to be ordered separately

Designation	Use	Reference	Weight kg/lb
Screw terminal blocks	For TM171PBM27R, TM171PDM27R, and TM171PDM27S	TM171ASCTB27	0.100/0.220
Wall bracket for flush mounting performance logic controllers	For TM171PFE03 and TM171PFE03HR	TM171ABKPB	0.015/0.030
		TM171ABKPG	0.015/0.030

Remote display, HMI

Type	Description	Reference	Weight kg/lb
Remote display	128x64 LCD, with backlight Use for M171 performance and M172 logic controllers	TM171DGRP	0.197/0.430
HMI Magelis STU/STO	Please consult our website: www.schneider-electric.com		