Addendum

This addendum is applicable to the following document:

Series PM174 Powermeter and Power Quality Analyzer Installation and Operation Manual - BG0411 Rev. A7

Specification change:

PM174 modification with 4 Digital Inputs / 4 Relay Outputs

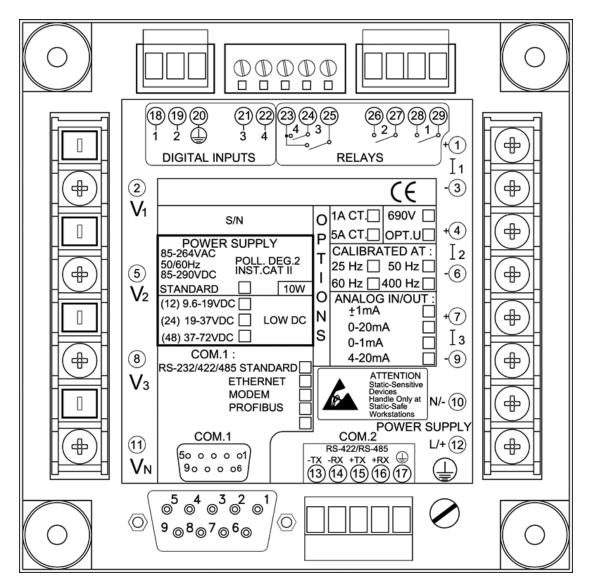


Fig. 1. PM174 with 4DI/4DO rear panel

The new 2DI/2DO module is added instead of Analog I/O module and uses 5-pin connector of the Analog I/O.

Two additional DI have terminal numbers 21 and 22 (see Fig. 1). Two additional relays (terminals 23, 24, 25) have a common pole (terminal 23).

Additional relays are of the same type as the ones of basic configuration: Relays rated at 3A/250 VAC, 3A/30 VDC, 2 contacts (SPST Form A).

Digital Inputs connection diagram is shown in the "PM174 Operation and Installation Manual" (Chapter 2 "Installation", "I/O Connections", "Digital Inputs").

Digital Inputs setup is configured as described in the "PM174 Operation and Installation Manual" (Chapter 4 "PAS Application Software", "General Meter Setup", "Using Digital Inputs").

asic Se	tup 📋	Control/Alarm	Setpoints	Analog Inputs Analog Ou				uts 🗍 .	Analog Expar		
lay Outp	outs D	igital Inputs	Pulse/Even	t Counters	Periodic	Timers	Dev	ice Options	Local Se		
				Digital lı	nputs						
No.		Pulse Input Mode			Pulse Polarity				Debounce Time, ms		
1	PULSE I	MODE	•	NORMAL	(N.O.)		-		10		
2	PULSEI	MODE	•	NORMAL	(N.O.)		•		10		
3	PULSEI	MODE	•	NORMAL	(N.O.)		-		10		
4	PULSEI	MODE	•	NORMAL	(N.O.)		-		10		
5											
6											
7											
8											
9	 										
10											
11											
12]										
13											
14											
15]										
16											

Fig. 2. Digital Inputs setup in PAS

Relay Outputs connection diagram is shown in the "PM174 Operation and Installation Manual" (Chapter 2 "Installation", "I/O Connections", "Relay Outputs").

Relay Outputs setup is configured as described in the "PM174 Operation and Installation Manual" (Chapter 4 "PAS Application Software", "General Meter Setup", "Using Relay Outputs").

			rol/Alarm Setpoints		log Inp	Analog Expand		
elay (Dutputs Digi	tal I	nputs Pulse/Event	Counter	s F	^p eriodic Timer	rs Device Opt	tions Local Setti
	_		_	Relay	Outpu	ıts	_	_
No.	Operation		Polarity	Reter	tive	Pulse	Pulse	k/Vh/
	Mode			Mo	de	Width, ms	Source	Pulse
1	UNLATCHED	٠	NORMAL (N.O.)	·				
2	UNLATCHED 💌		NORMAL (N.O.)	·				
3	UNLATCHED 💌		NORMAL (N.O.)	·]				
4	UNLATCHED	•	NORMAL (N.O.)	·]				
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
							·	
	Open	9	ave as De	fault		Print	Send	Receive

Fig. 3. Relay Outputs setup in PAS