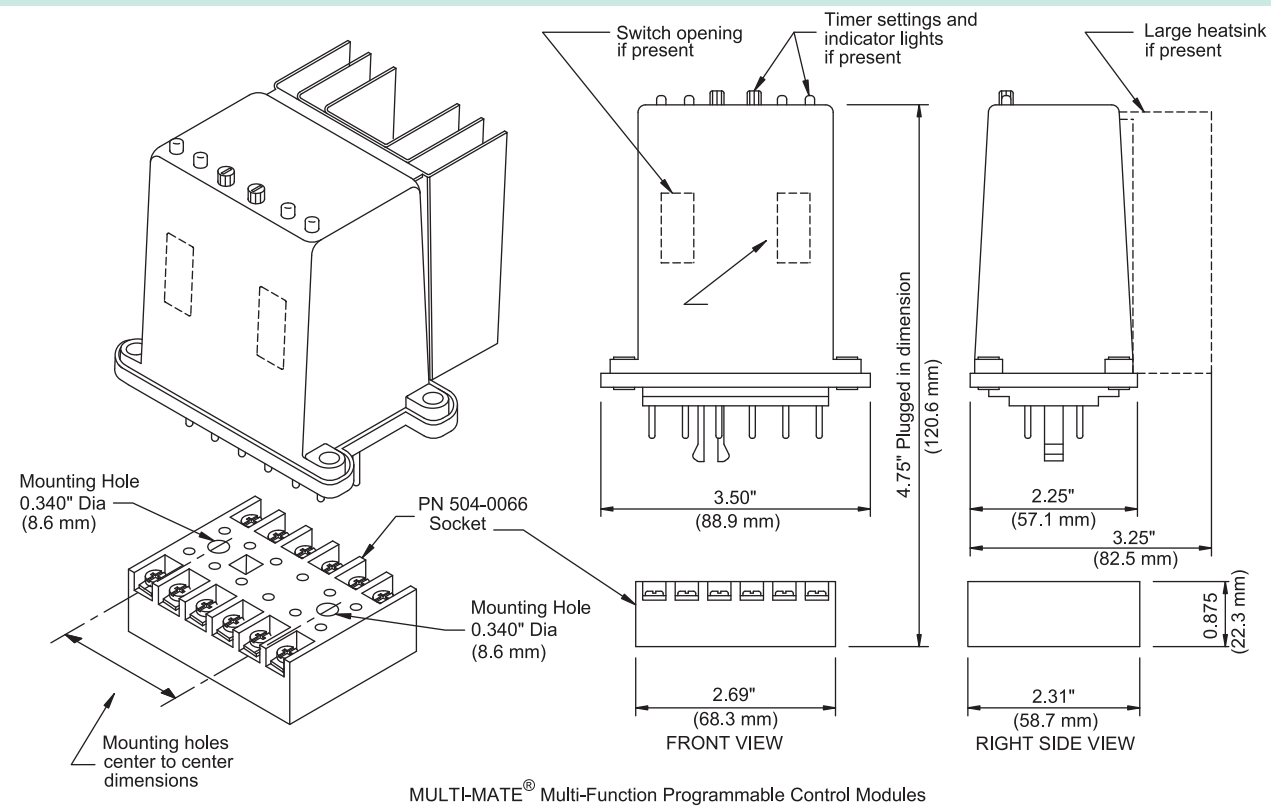


MULTI-MATE® Control Modules

Model	Current	Power Output	Operating Draw Voltage	Description
PM-8100	24 VDC 150mA	120 VAC	50/60 HZ	Single Function Programmable with Solid State AC Switch, 1/6 HP rated
PM-8100-240	24 VDC 150mA	240 VAC	50/60 HZ	Single Function Programmable with Solid State AC Switch, 1/6 HP rated
PM-8125	24 VDC 150mA	120 VAC	50/60 HZ	Single Function Programmable with Solid State AC Switch, 1/4 HP rated
PM-8125-240	24 VDC 150mA	240 VAC	50/60 HZ	Single Function Programmable with Solid State AC Switch, 1/4 HP rated
PM-8200	24 VDC 150mA	120 VAC	50/60 HZ	Dual Function Programmable with Solid State AC Switch, 1/6 HP rated
PM-8200-240	24 VDC 150mA	240 VAC	50/60 HZ	Dual Function Programmable with Solid State AC Switch, 1/6 HP rated
PM-8225	24 VDC 150mA	120 VAC	50/60 HZ	Dual Function Programmable with Solid State AC Switch, 1/4 HP rated
PM-8225-240	24 VDC 150mA	240 VAC	50/60 HZ	Dual Function Programmable with Solid State AC Switch, 1/4 HP rated
504-0066				Plug-In Socket Sold Separately

NOTE: 1/6 HP Rating = 3.2 amp inductive load at 115 VAC, 1/4 HP Rating = 5.4 amp inductive load at 115 VAC

Dimensions



MULTI-MATE® Control Modules

Programming



In the programming instructions below, it is assumed that:

1. Input from the sensor is normally "OFF" and the function is to occur on the leading edge of the input event. If this is not the case, simply reverse the position of Switch #4 (Light/Dark).
2. Output (TRIAC) is normally "OFF". If this is not the case, simply reverse the position of Switch #5 (Output Invert).

Single Event (Model PM-8100 and PM-8125)

SEQUENCE*	PLACE LISTED SWITCHES TO >ON (ALL OTHERS OFF <)	CONTROL SEQUENCE*
"On" Delay	2,4	1
"Off" Delay	2,5	2
One-Shot	5	3
Motion Retriggerable One-Shot	1,5	4
Latch, Edge-Triggered	3,5	5



Dual Event (Model PM-8200 and PM-8225)

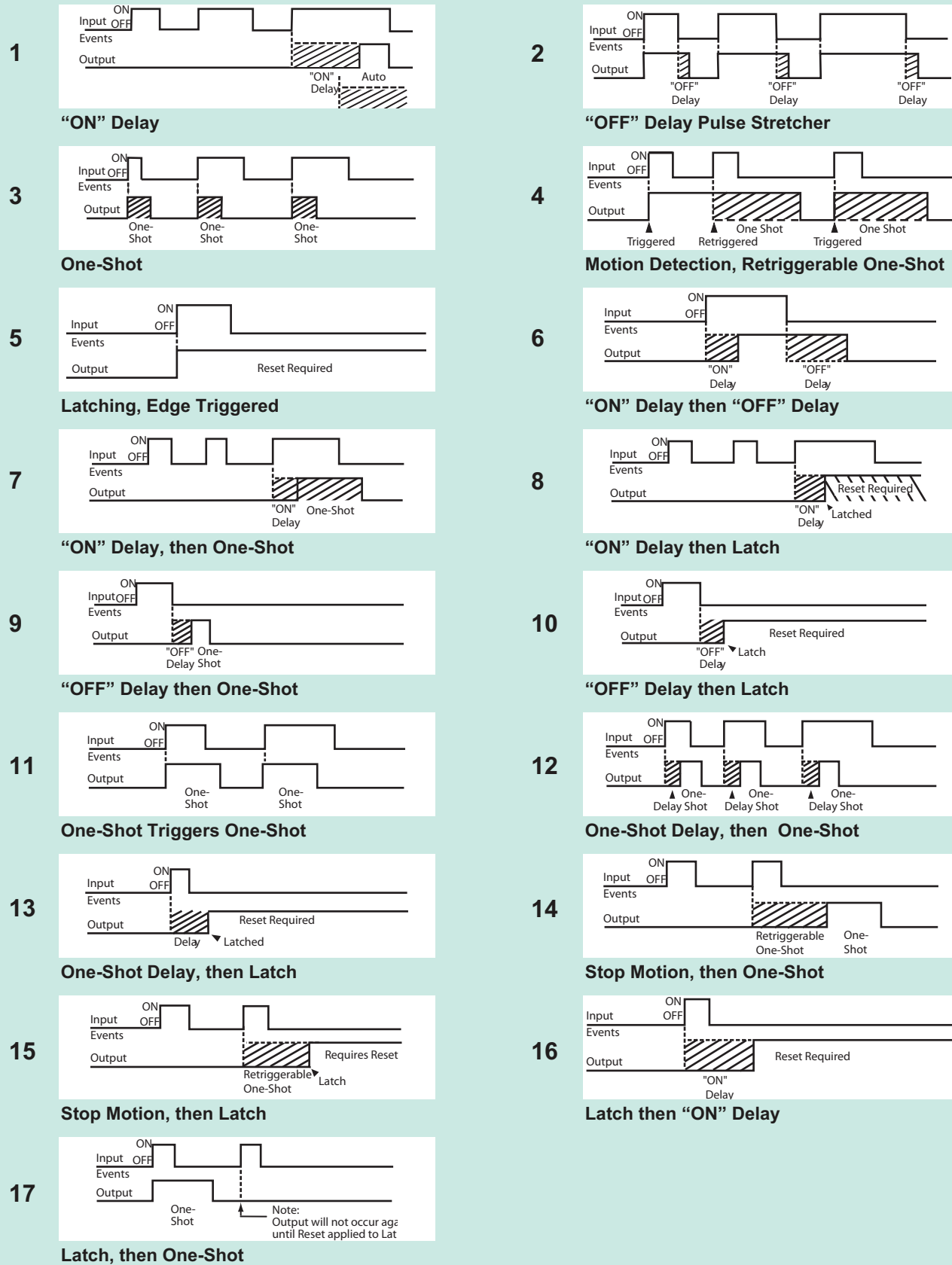
PLACE LISTED SWITCHES TO > ON (ALL OTHERS OFF <)	INPUT EVENT	OUTPUT EVENT	CONTROL SEQUENCE*
"On" Delay then "Off" Delay	2,4	2,5	6
"On" Delay then One-Shot	2,4	5	7
"On" Delay then Latch	2,4	3,5	8
"Off" Delay then One-Shot	2	5	9
"Off" Delay then Latch	2	3,5	10
One-Shot Triggers One-Shot	All "OFF"	4,5	11
One-Shot (Delay) then One-Shot	All "OFF"	5	12
One-Shot (Delay) then Latch	All "OFF"	3,5	13
Motion then One-Shot	1	5	14
Motion then Latch	1	3,5	15
Latch then "On" Delay	3	2	16
Latch then One-Shot	3	4,5	17



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MULTI-MATE® Control Modules

Functional Control and Timing Sequence Data



MULTI-MATE® Control Modules

Electrical Specifications

Input Power Requirements: Choice of 120 or 240 VAC ± 10%; 50-60 Hz models.

DC Power Output: 24 VDC Nominal @ 150mA . (Unregulated) (Supplies power to DC sensor)

Output Relay: Models PM-8100/PM-8200 – Solid state AC relay. Triac rated at up to 1/6 HP motor load or 3.2 amp inductive load at 115 VAC.

Models PM-8125/PM-8225 – Equipped with larger heat sink Triac rated up to 1/4 HP motor load or 5.4 amp inductive load at 115 VAC.

Output Transistor (Pin 12): NPN grounded emitter open collector output transistor rated at 100mA maximum. Maximum voltage = 40 VDC.

Input (Pin 7): Opto-isolated for high noise immunity. Accepts input from NPN open collector transistor or switch to ground. Responds to input durations as short as 100 microseconds.

Reset/Inhibit (Pin 10 or 11): Accepts input from NPN open collector transistor or switch to ground (Pin 9). Activated when Pin 9 is shorted to Pin 10 or 11.

