PC-100-D Programmable Shot Timer

PC-100-D-PW, 120 VAC
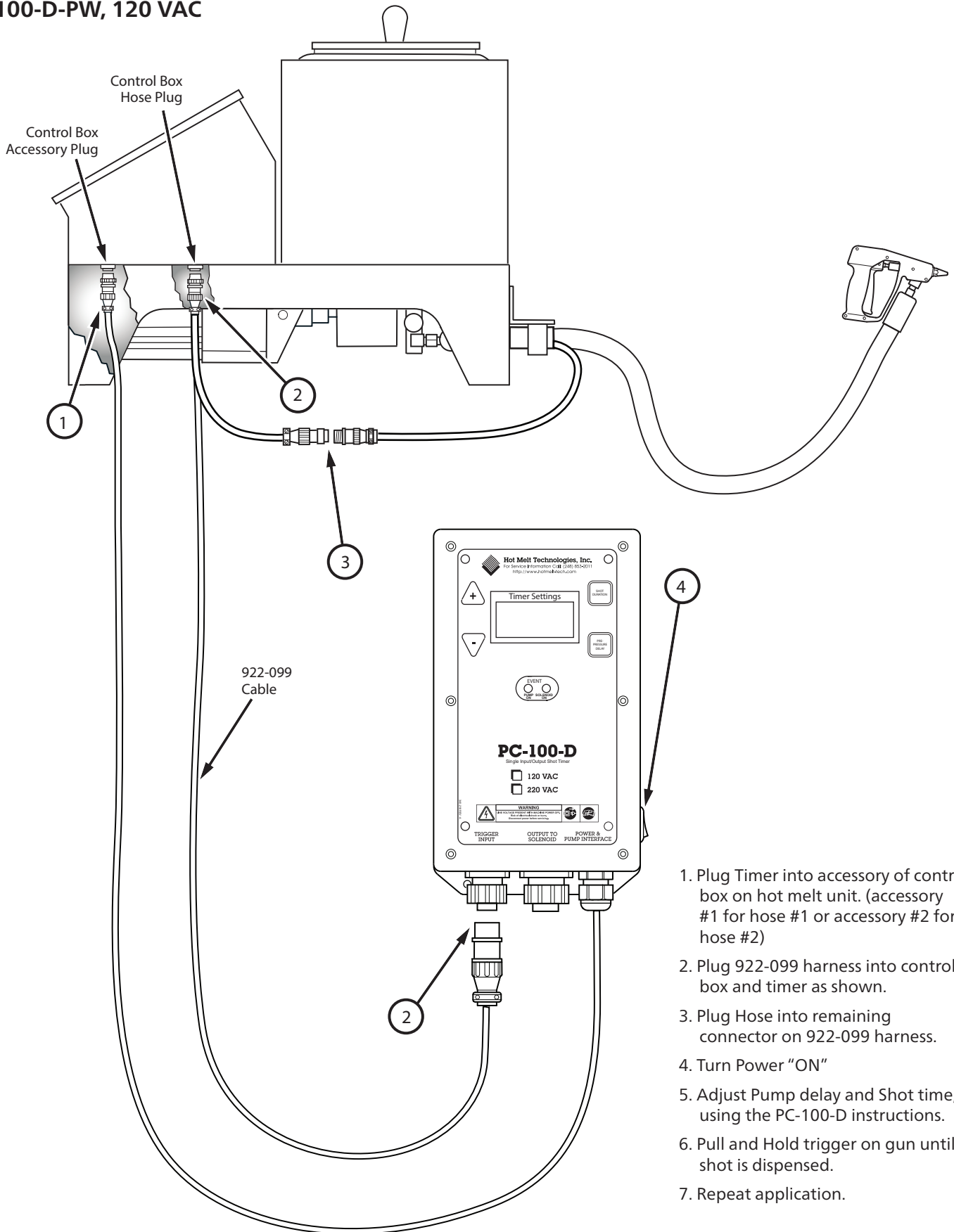
500 Series
Handgun

933-001
Boom and Balancer Assembly

PC-100-D
Shot Timer

PC-100-D

PC-100-D Programmable Shot Timer

PC-100-D-PW, 120 VAC

Control Box Hose Plug

Control Box Accessory Plug

922-099 Cable

Hot Melt Technologies, Inc.
For Service Information Call (248) 853-2011
http://www.hotmelt-tech.com

Timer Settings

SHOT DURATION

PRE-PRESSURE DELAY

EVENT
PUMP ON SOLENOID ON

PC-100-D
Single Input/Output Shot Timer

☐ 120 VAC
☐ 220 VAC

WARNING

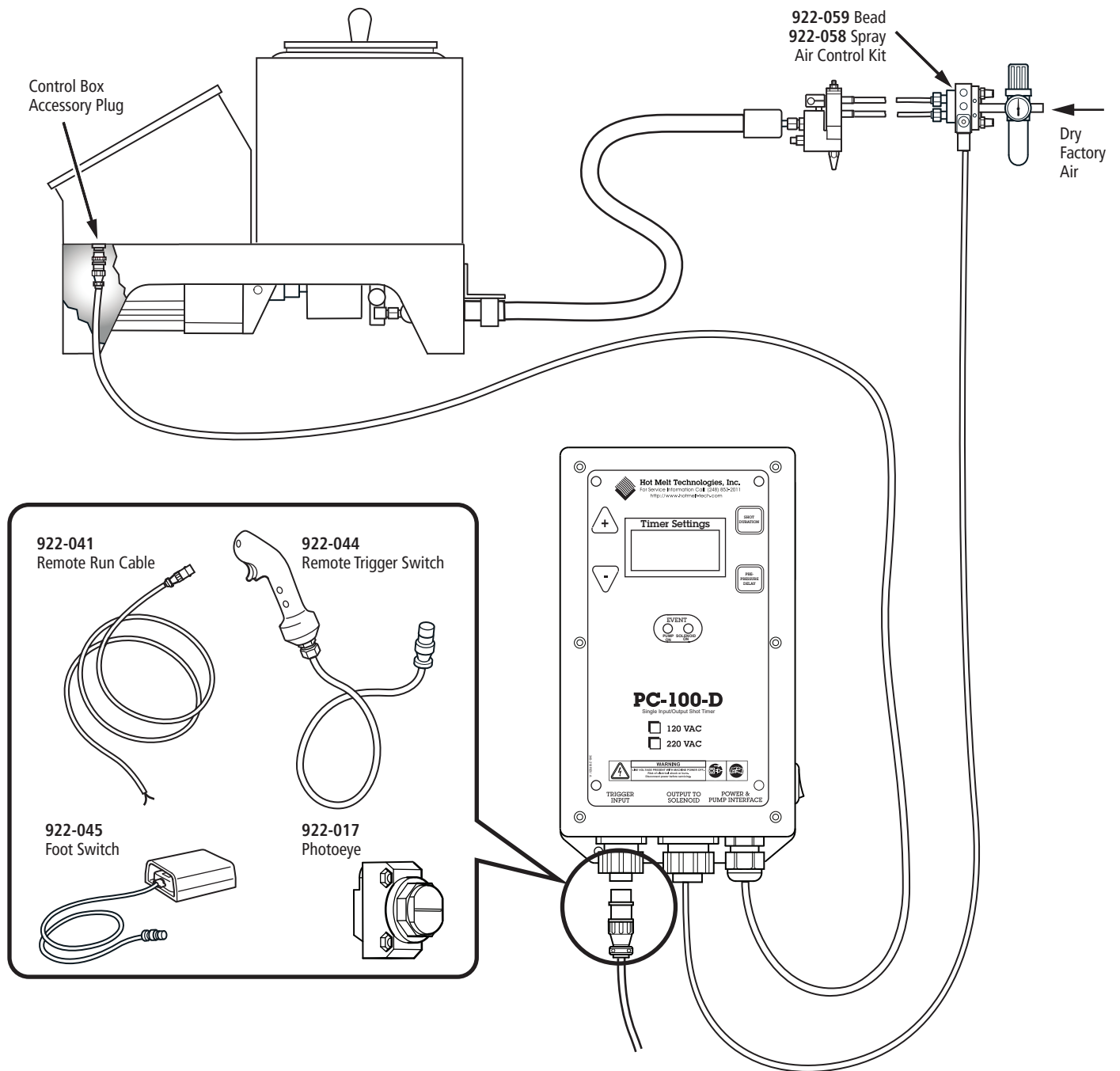TRIGGER INPUT   OUTPUT TO SOLENOID   POWER & PUMP INTERFACE

1. Plug Timer into accessory of control box on hot melt unit. (accessory #1 for hose #1 or accessory #2 for hose #2)

2. Plug 922-099 harness into control box and timer as shown.

3. Plug Hose into remaining connector on 922-099 harness.

4. Turn Power "ON"

5. Adjust Pump delay and Shot time, using the PC-100-D instructions.

6. Pull and Hold trigger on gun until shot is dispensed.

7. Repeat application.

PC-100 Programmable Shot Timer

PC-100-D-PW, 120 VAC

Control Box
Accessory Plug

922-059 Bead
922-058 Spray
Air Control Kit

Dry
Factory
Air

922-041
Remote Run Cable

922-044
Remote Trigger Switch

922-045
Foot Switch

922-017
Photoeye

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Timer Settings

SHOT
DURATION

PRE-
PRESSURE
DELAY

EVENT
PUMP SOLENOID
ON ON

PC-100-D
Single Input/Output Shot Timer

☐ 120 VAC
☐ 220 VAC

⚠ WARNING
LINE VOLTAGE PRESENT WITH MACHINE POWER OFF.
Risk of electrical shock or burn.
Disconnect power before servicing.

TRIGGER
INPUT
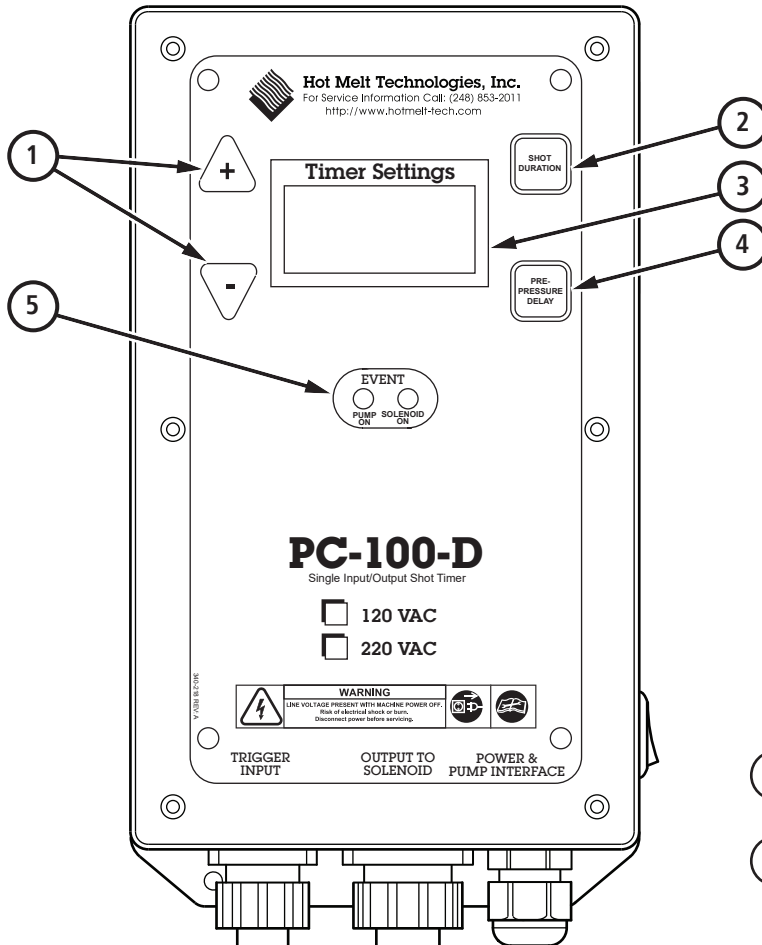
OUTPUT TO
SOLENOID

POWER &
PUMP INTERFACE

1. Plug Timer into accessory of control box on hot melt unit (accessory #1 for hose #1 or accessory #2 for hose #2).

2. Turn Power "ON."

3. Adjust Pump delay and Shot time, using the PC-100-D instructions.

4. Pull and Hold trigger on gun until shot is dispensed.

5. Repeat application.

PC-100-D Programmable Shot Timer

PC-100-D-PW, 120 VAC

1 "+/-" buttons adjust the "Shot Duration" and "Pre-Pressure Delay" time.

2 The "Shot Duration" button displays the length of the shot time when depressed. To program a shot time press and hold the "Shot Duration" button and use the "+/-" buttons to adjust the time up and down.

3 The "Timer Settings" Display shows a countdown of the "Shot Duration" during an operating cycle, and displays the "Shot Duration" and "Pre-Pressure Delay" settings when each button is depressed respectively.

4 The "Pre-Pressure Delay" button displays the time that the pump is setup to run prior to firing a shot. To program the "Pre-Pressure Delay" press and hold the "Pre-Pressure Delay" button and use the "+/-" buttons to adjust the time up and down.

5 The "Event" LEDs illuminate when a programmed function is activated. The "Pump On" LED activates when the pump is active and the "Solenoid On" LED activates when a shot is fired.

PC-100-D Programmable Shot Timer
PC-100-D-PW, 120 VAC
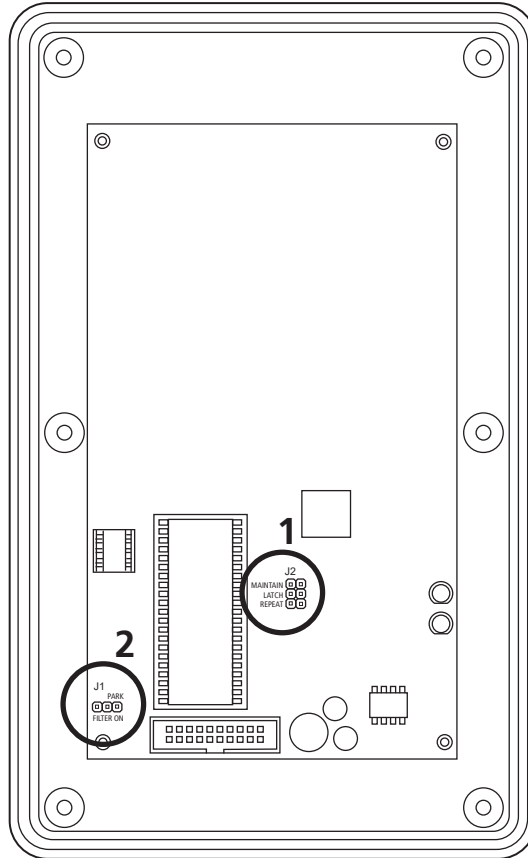
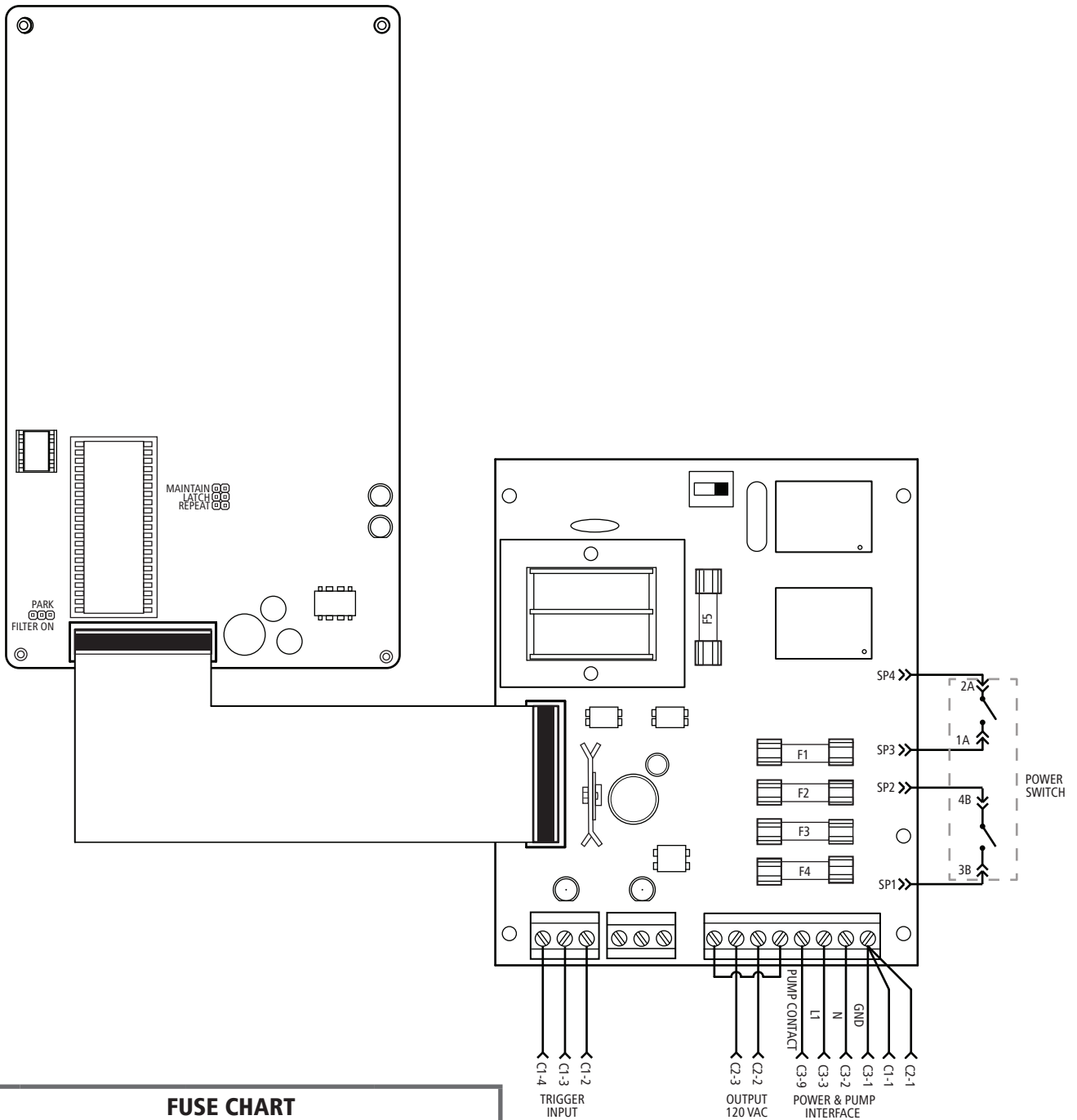|			
1	MAINTAIN LATCH REPEAT	**Maintain Mode** Timer will output shot once while input signal is present. If input signal is lost the shot will end.	
	MAINTAIN LATCH REPEAT	**Latch Mode** Timer will output shot once upon reception of an input signal. A maintained input signal is not required for a complete shot cycle.	
	MAINTAIN LATCH REPEAT	**Repeat Mode** Timer will begin shot output upon reception of an input signal. As long as the signal is maintained the programmed shot will repeat.	
2	FILTER PARK ON	**High Speed Signal Sensitivity** Configured for high speed inputs. This includes photoelectric sensors, proximity switches, etc.	
	PARK ON FILTER	**Low Speed Signal Sensitivity** Configured for low speed inputs. This includes limit switches and other mechanical actuators.	

PC-100 Programmable Shot Timer

PC-100-D-PW, 120 VAC

MAINTAIN
LATCH
REPEAT

PARK
FILTER ON

F5

F1
F2
F3
F4

SP4
SP3
SP2
SP1

2A
1A
4B
3B

POWER
SWITCH

C1-4
C1-3
C1-2

TRIGGER
INPUT

C2-3
C2-2

OUTPUT
120 VAC

PUMP CONTACT
L1
N
GND

C3-9
C3-3
C3-2
C3-1
C1-1
C2-1

POWER & PUMP
INTERFACE

FUSE CHART

ITEM	DESCRIPTION	REPLACE WITH	PART NO
F1	Transformer	1 A, 125 V (GMA)	214-101
F2	PC-100-D Output	5 A, 125 V (GMA)	214-105
F3	Transformer	1 A, 125 V (GMA)	214-101
F4	PC-100-D Output	5 A, 125 V (GMA)	214-105
F5	PC-100-D Output	300mA, 125 V (GMD)	214-063

SYMBOL LEGEND

⊶	Switch
≫	Stakon Connector
C2-2 ⟩	Pin Connector
↑	Pin Number

PC-100 Programmable Shot Timer
PC-100-D-PW, 120 VAC

SYMBOL LEGEND

⟩‖⟨	Transformer
⌒	Fuse
Ⓜ	Motor
↓	Relay Number
|1CR|	Relay (Contacts)
»	Stakon Connector
⊘	Terminal Connection
⌐	Solenoid

FUSE CHART

ITEM	DESCRIPTION	REPLACE WITH	PART NO
F1	Transformer	1 A, 125 V (GMA)	214-101
F2	PC-100-D Output	5 A, 125 V (GMA)	214-105
F3	Transformer	1 A, 125 V (GMA)	214-101
F2	PC-100-D Output	5 A, 125 V (GMA)	214-105

POWER CONNECTION

L1 ← 120 VAC → N

CAUTION
120 VAC POWER ONLY

CONNECTOR IDENTIFICATION

C1	Trigger Input
C2	Output to Solenoid
C3	Power & Pump Interface