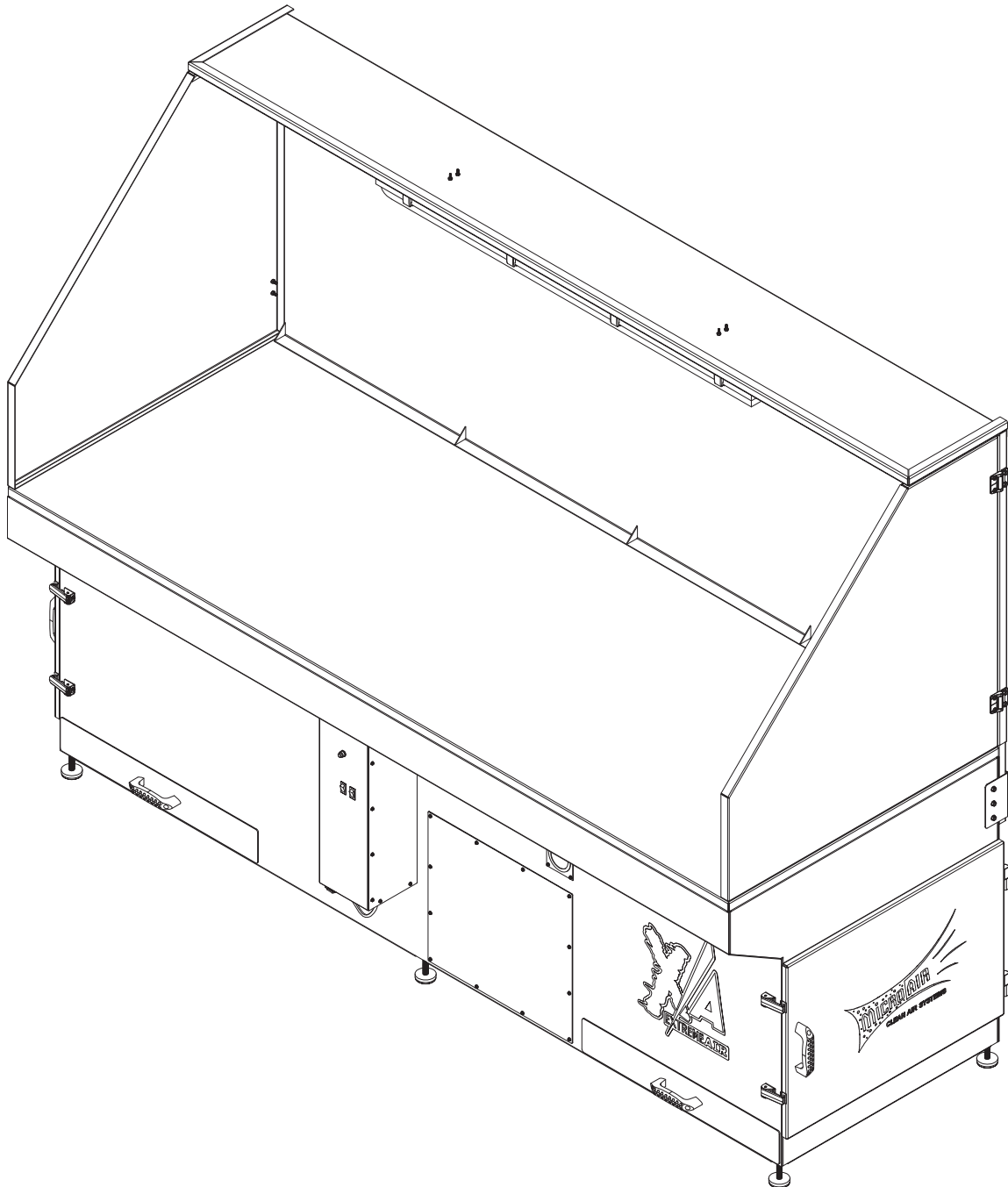![MicroAir CLEAN AIR SYSTEMS logo]

XA38 Max
Installation and Operation Manual

Important:

This manual contains specific cautionary statements relative to worker safety. Read this manual thoroughly and follow as directed. It is impossible to list all the hazards of dust control equipment. All persons involved with the equipment or systems should be instructed how to operate in a safe manner.

WARNINGS:

⚠ **All electrical work must be done by a qualified electrician according to local, state and national codes.**

⚠ **CAUTION: Installation can cause exposure to live components. Disconnect electrical power before proceeding with installation. Proper Lock Out / Tag Out procedures should be used.**

Improper installation or operation of this equipment can cause damage to equipment and / or injury to personnel. The installation/operation manual must be read and followed in its entirety.

SPECIFICATIONS XA38:

Input Voltage:	230/460 VAC 3-Phase
Motor:	5 HP TEFC
Max Current:	12.6/6.3 Amps
Filter Area:	400-600 square feet (media dependent)
Load Capacity:	1,800 pounds
Air Flow:	6,000 CFM
Capture Velocity:	250 FPM average @ 1" above work surface.
Noise level:	80 dBA at operator
Overall Dimensions:	Base table: 36H x 101W x 37D
	With shields: 73H x 101W x 37D

COMPRESSED AIR REQUIREMENTS:

3/4" Air line with clean, dry compressed air regulated to 80-90 psi max is required for proper operation of the Roto-Pulse filter cleaning system. It is recommended that a pressure regulator and coalescing filter be installed between the compressed air source and the inlet to the down draft table.

EQUIPMENT/TOOLS REQUIRED:

Standard wrenches
Forklift
Pipe wrench
Cordless drill

INSTALLATION:

1. Inspect the Unit for any visible damage that may have occurred during shipment. Note any damage on the packing slip.
2. Uncrate the unit. Use caution not to damage the paint while dismantling the crate.
3. Remove any options ordered from the skid.
4. Using a forklift, lift the unit off of the skid. Carefully place the downdraft table into its location.
5. Connect compressed air supply to the 3/4" NPT nipple on the unit.
6. Connect the wire whip to the appropriate plug based on unit and voltage ordered. Plug into properly sized electrical outlet.
7. Mount any optional accessories per instructions if ordered.

OPERATION:

- To start the unit, toggle the switch located on the front of the unit to the ON position. To stop the unit, toggle the switch to the OFF position.
- If equipped: To turn the light on toggle the switch located on the front of the unit to the ON position. To turn the light off, toggle the switch to the OFF position.
- To clean filters depress and hold down the pulse push-button for 2 seconds at least once per hour, and once after shutdown.
- Units equipped with auto-pulse do not require manual activation of the pulse system while the unit is running. The filters will clean automatically for 2 seconds, every 45 seconds that the unit is running. It is recommended that at least one manual pulse is completed after the unit is turned off.
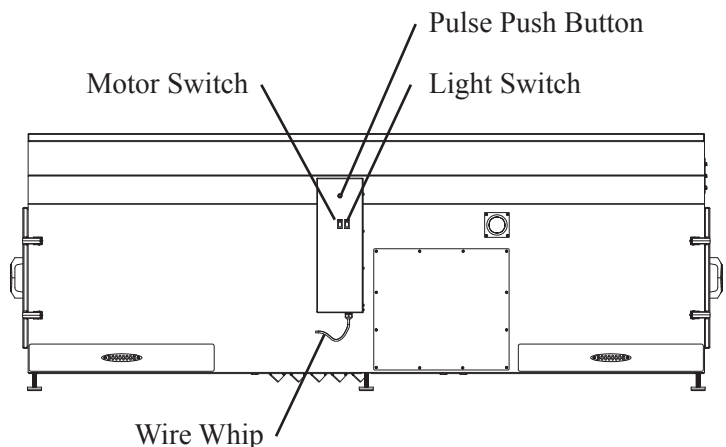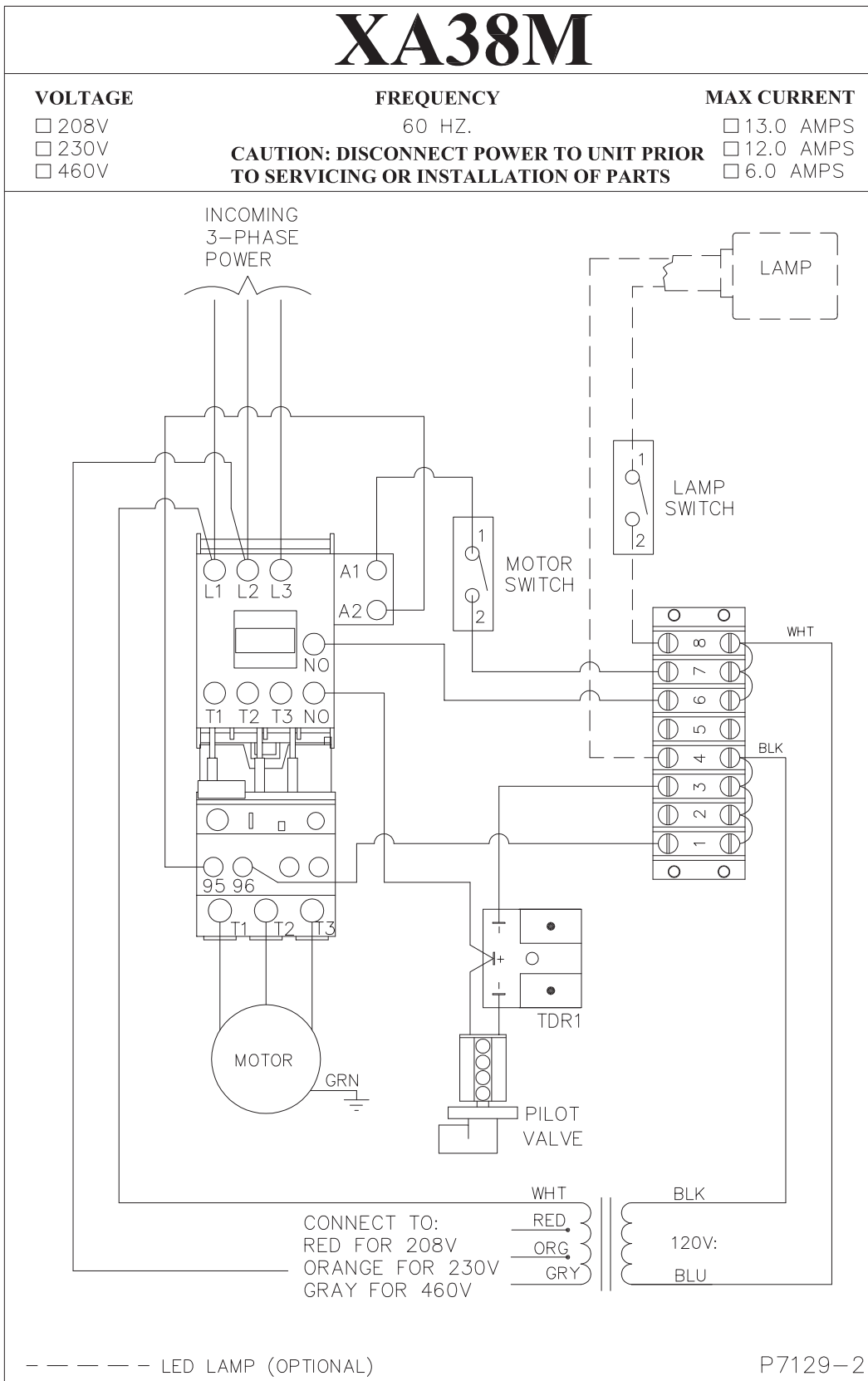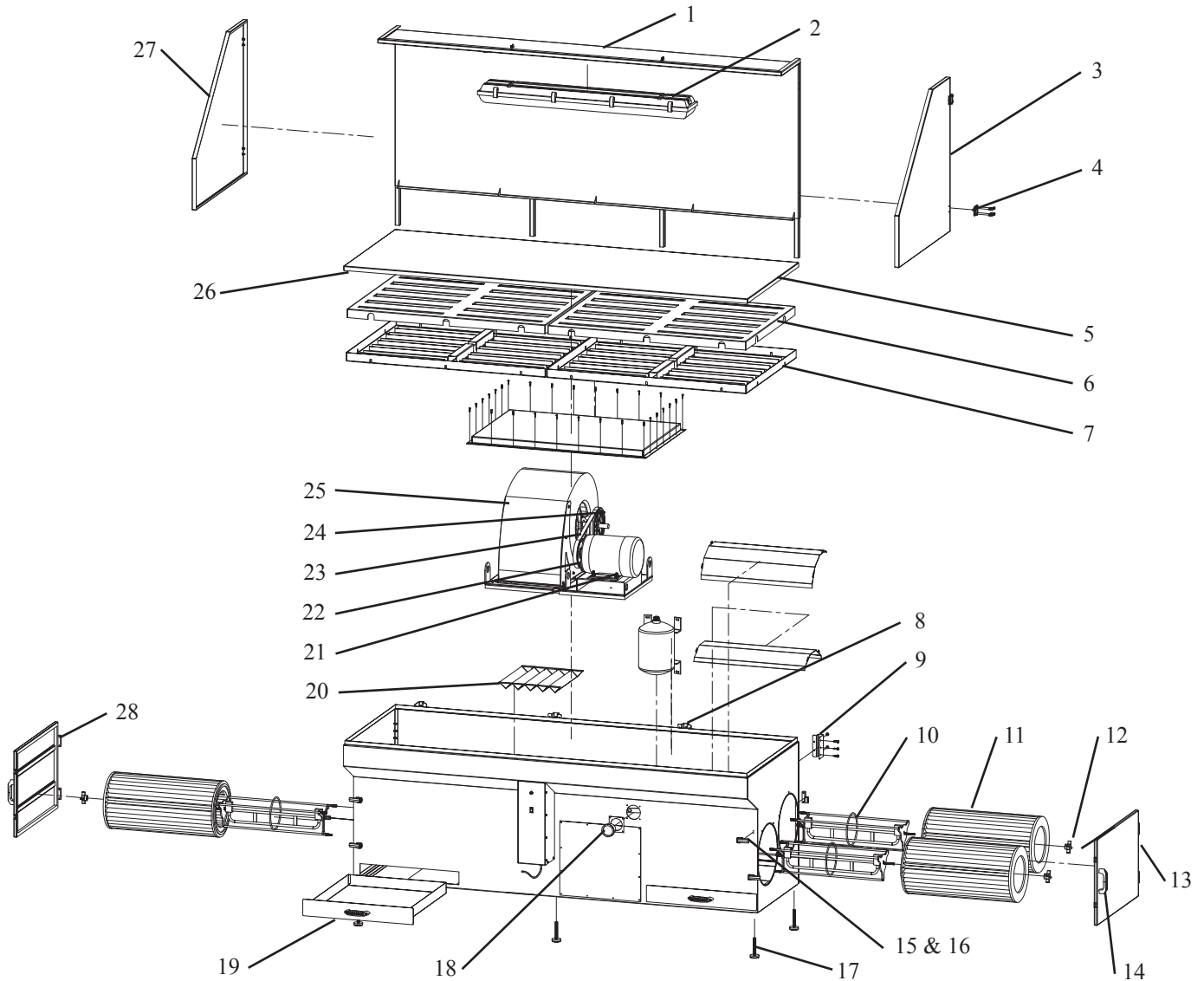

FIG 1.

XA38 MAX WIRING DIAGRAM

XA38M

VOLTAGE	FREQUENCY	MAX CURRENT
☐ 208V	60 HZ.	☐ 13.0 AMPS
☐ 230V	**CAUTION: DISCONNECT POWER TO UNIT PRIOR**	☐ 12.0 AMPS
☐ 460V	**TO SERVICING OR INSTALLATION OF PARTS**	☐ 6.0 AMPS

INCOMING 3−PHASE POWER

LAMP

LAMP SWITCH

L1 L2 L3   A1   A2

MOTOR SWITCH

NO

T1 T2 T3 NO

WHT

BLK

95 96

T1 T2 T3

TDR1

MOTOR   GRN

PILOT VALVE

CONNECT TO:
RED FOR 208V
ORANGE FOR 230V
GRAY FOR 460V

WHT   BLK
RED
ORG   120V:
GRY
       BLU

— — — — LED LAMP (OPTIONAL)   P7129−2

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Item	Part No.	Description	Item	Part No.	Description
1.	39130-03	Back & Top Shield	15.	P7106	Under Center Latch
2.	P7171	4' Dust Proof LED Light Fixture	16.	P7107	Latch Catch
3.	39133-04	Side Shield - Right	17.	P7102	Leveling Leg
4.	P7105	Hinge		P2334	3" Swivel Caster
5.	39108-03	Perforated Table Top	18.	39120-02	Dust Drawer Assembly
	P7134	Rubber Work Mat	19.	P2221	0-5" Mini-Helic gauge
6.	39127-03	Top Baffle	20.	39148-01	Exhaust Diverter
7.	39124-02	Bottom Baffle	21.	P3253	5HP TEFC Motor
8.	39110-02	Center Shield Bracket	22.	P3267	Motor Pulley
9.	39110-01	Shield Bracket	23.	P3452	Drive Belt
10.	36720-10	Roto-Pulse Assembly	24.	P3986	Blower Pulley
11.	P7401RM	80/20 Cartridge Filter	25.	P3260	Blower
	P7408RM	100% Spunbond Cartridge Filter	26.	P1719	Edge Guard
	P7416NM	Nano-Max Cartridge Filter	27.	39133-03	Side Shield - Left
	P7409RM	PTFE Cartridge Filter	28.	P7109	Lift Off Hinge
12.	P3649	4-Prong Knob	N/S	P2075	Diaphragm Valve
13.	39135-01	Access Door			
14.	P7108	Handle			
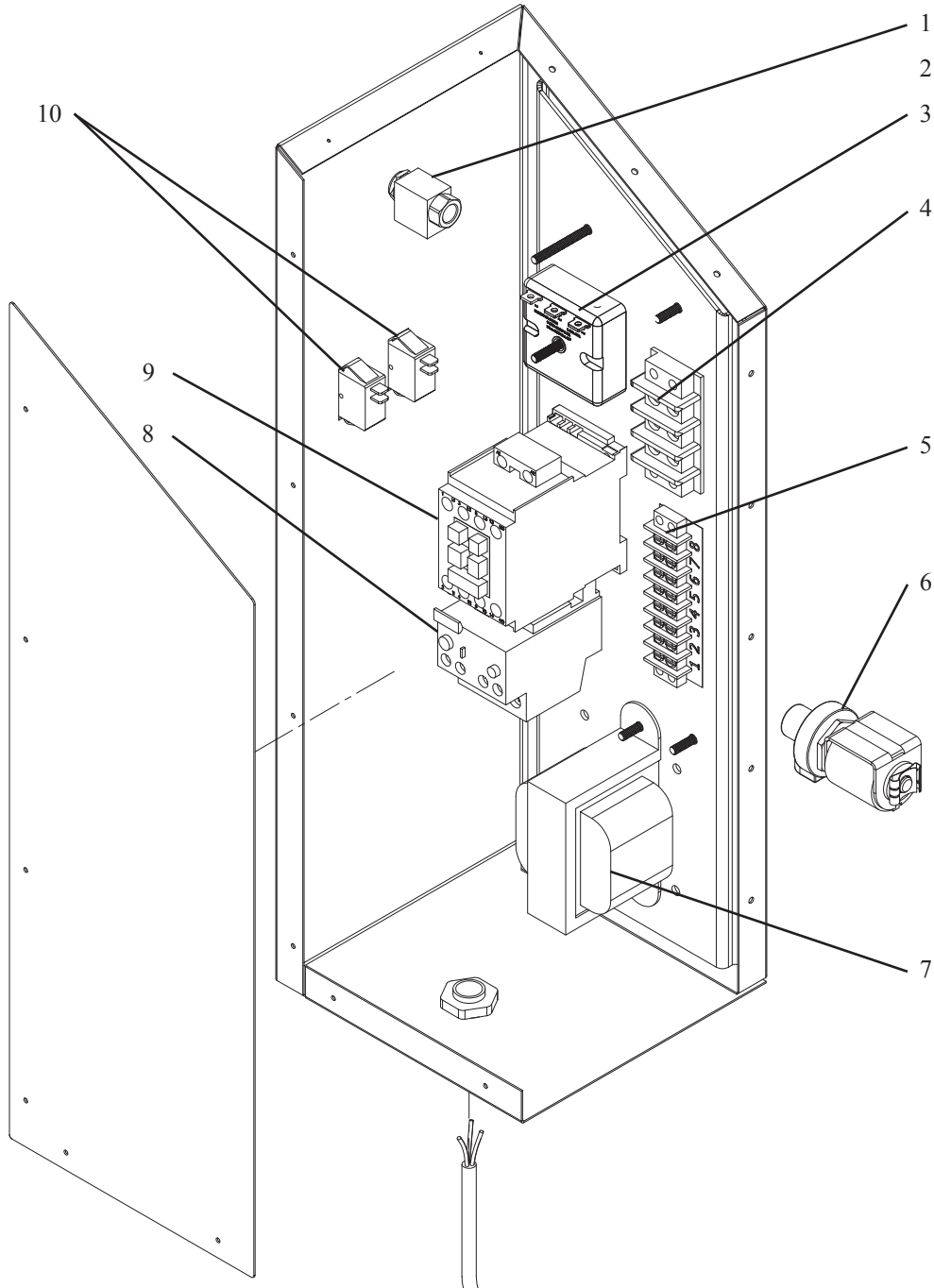
Item	Part No.	Description	Item	Part No.	Description
1.	P2766	Push Button Air Valve	6.	P3118	Pilot Valve
2.	P3735	1/4" Elbow Preslock Fitting	7.	P1754	Transformer
3.	P2922	Auto-Pulse Timer	8.	P3915	Overload
4.	P445	3 Conn. Terminal Block	9.	P3910	Motor Contactor
5.	P3246	8 Conn. Terminal Block	8.	P2219	On / Off Switch

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