

INSTALLATION INSTRUCTIONS



Item #652105 - 1/2 HP 115V

#652106 - 1/2 HP 115V w/Aux Power*

#652107 - 1/2 HP 230V

#652108 - 1/2 HP 230V w/Aux Power

#652109 - 1 HP 230V

#652110 - 1 HP 230V w/Aux Power

#652113 - 2 HP 230V

#652114 - 2 HP 230V w/Aux Power



**Control panel with auxiliary power for use with the EcoSeries Fountain only.*

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IMPORTANT INFORMATION:

Please read these instructions thoroughly before use. Failure to follow instructions may result in equipment damage or failure, losses, injury or death.

Electrical connections to the control panel and proper grounding (properly sized copper conductor from the grounding terminal to the service panel or grounding rod) are to be completed by a licensed electrician and in accordance with the National Electric Code, local codes or ordinances.

⚠️ WARNING: ⚠️

To reduce the risk of electric shock or injury:

- This control panel contains a Ground Fault Circuit Interrupter (GFCI). DO NOT remove, bypass or modify the GFCI.
- DO NOT operate the control panel if electrical cords are broken or spliced.
- ALWAYS turn off electrical power before installing, removing or servicing the control panel components.
- DO NOT immerse the control panel in water.
- This control panel is NOT intended for use in swimming pools, swimming ponds, or other situations where bodily contact is made with the water. Although the control panel is designed for outdoor use, it should never be submerged in water.

⚠️ CAUTION: ⚠️

To reduce the risk of equipment damage or failure:

- The control panel is NOT submersible; do not place the timer where it might contact or fall into the water.
- DO NOT operate the control panel with a unit that exceeds the maximum voltage indicated by the control panel specifications. Operating with a unit larger than recommended can cause damage to the control panel and will NOT be covered under warranty.

IMPORTANT: Airmax is not responsible for equipment damage or failure, losses, injury or death resulting from failure to follow safety precautions, misuse or abuse of equipment.

TECHNICAL SPECIFICATIONS:

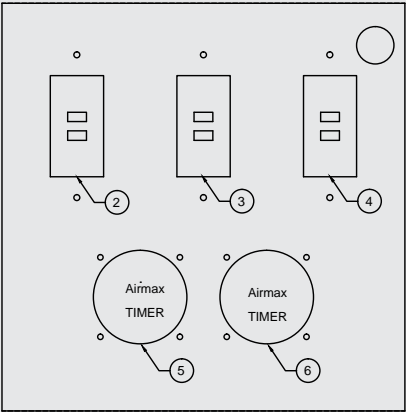
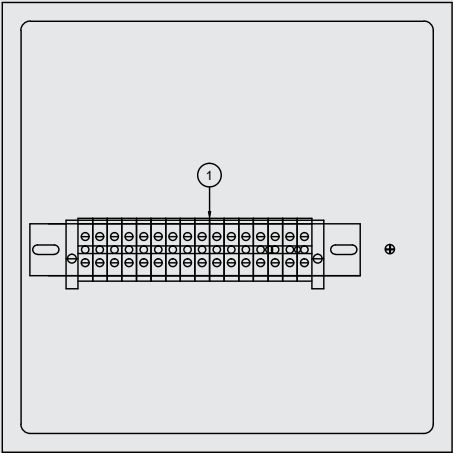
ITEM NUMBER	VOLTAGE	PANEL DIMENSIONS	MOUNTING DIMENSIONS
652105	1/2 HP 115V	12" w x 12" h x 6" d	8" w x 13 1/2" h
652106	1/2 HP 115V	12" w x 12" h x 6" d	8" w x 13 1/2" h
652107	1/2 HP 230V	16" w x 16" h x 6" d	12" w x 17 1/2" h
652108	1/2 HP 230V	16" w x 16" h x 6" d	12" w x 17 1/2" h
652109	1 HP 230V	16" w x 16" h x 6" d	12" w x 17 1/2" h
652110	1 HP 230V	16" w x 16" h x 6" d	12" w x 17 1/2" h
652113	2 HP 230V	16" w x 16" h x 6" d	12" w x 17 1/2" h
652114	2 HP 230V	16" w x 16" h x 6" d	12" w x 17 1/2" h

1/2 HP 115V or 1/2 HP 115V w/Aux Power
PRODUCT CONTENTS:



NEMA 3R Powder Coated Control Panel
1/2 HP 115V or 1/2 HP 115V w/Aux Power*

**Control panel with auxiliary power for use with the EcoSeries Fountain only.*



1/2 HP 115V REPLACEMENT PARTS:

ITEM	DESCRIPTION	PART #	ITEM	DESCRIPTION	PART #
1	Terminal Block (Gray)	651940	4	Auxiliary GFCI **(Optional)	651952
1	Terminal Block (Green)	651941	5	Motor Timer	651112
2	Motor GFCI	651952	6	Light Timer	651112
3	Light GFCI	651952			

*** Auxiliary power is not available for the 1/2 HP PondSeries 115V fountain.*

1/2 HP 115V or 1/2 HP 115V w/Aux Power INSTALLATION INSTRUCTIONS:

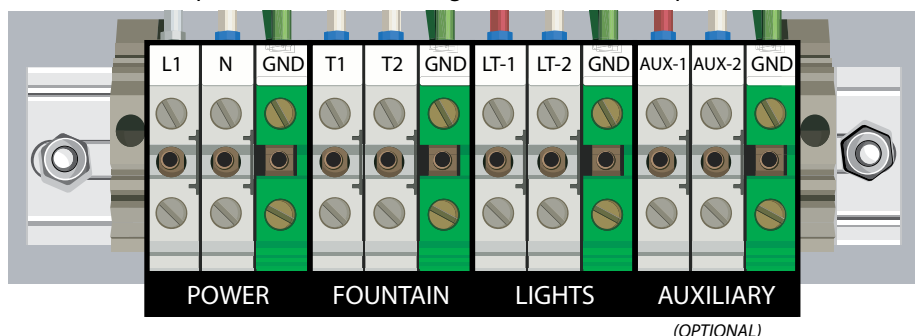
The 1/2 HP 115V NEMA 3R Powder Coated Control Panel is designed for outdoor use but should be mounted above any high water levels. Holes should be drilled into the bottom of the control panel for electrical access. We recommend using grommets to protect and seal the electrical access points and to help keep the control panel clean.

CONNECTING ELECTRICAL WIRING:

CONNECT UNIT TO CONTROL PANEL

⚠ **WARNING:** ⚠

Turn off electrical power before connecting units to the control panel.



Connect to a Fountain:

- **Black** lead to **T1** on the terminal strip
- **White** lead to **T2** on the terminal strip
- **Green** lead to the **grounding terminal**

Connect to Fountain Lights (optional):

- **Black** lead to **LT1** on the terminal strip
- **White** lead to **LT2** on the terminal strip
- **Green** lead to the **grounding terminal**

Connect to Auxiliary Power (optional):

Note: Auxiliary power contains a separate GFCI and is not connected to the timers.

- **Aux1** to **Black**
- **Aux2** to **White**
- **Green** lead to the **grounding terminal**

CONNECT CONTROL PANEL TO POWER SOURCE

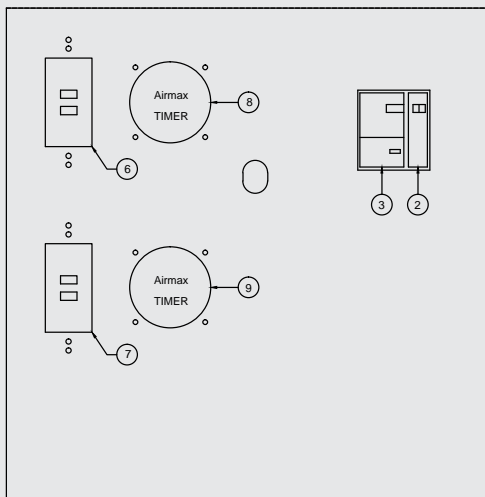
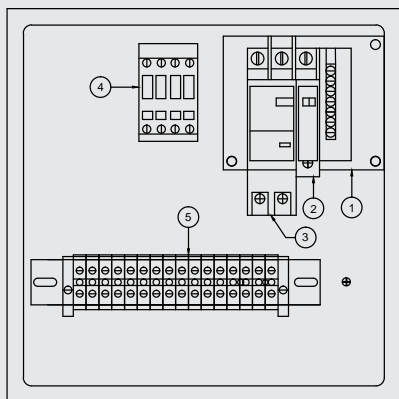
Connect the following:

- **Line 1** to **L1** on the terminal strip
- **Neutral** to **N** on the terminal strip
- **Ground** to **grounding terminal**
- Set or verify that the overload assembly in the control panel is set to the motor nameplate value, plus two (2) amperes.

1/2 HP 230V or 1/2 HP 230V w/Aux Power PRODUCT CONTENTS:



NEMA 3R Powder Coated Control Panel
1/2 HP 230V or 1/2 HP 230V w/Aux Power



1/2 HP 230V REPLACEMENT PARTS:

ITEM	DESCRIPTION	PART #	ITEM	DESCRIPTION	PART #
1	Breaker Base	651970	5	Terminal Blocks (Green)	651941
2	Control Breaker (15 Amp)	651976	6	Light GFCI	651952
3	Motor GFCI Breaker (15 Amp)	651971	7	Auxiliary GFCI (Optional)	651952
4	1/2 HP Contactor 230v	651962	8	Motor Timer	651112
5	Terminal Blocks (Gray)	651940	9	Light Timer	651112

1/2 HP 230V or 1/2 HP 230V w/Aux Power INSTALLATION INSTRUCTIONS:

The 1/2 HP 230V NEMA 3R Powder Coated Control Panel is designed for outdoor use but should be mounted above any high water levels. Holes should be drilled into the bottom of the control panel for electrical access. We recommend using grommets to protect and seal the electrical access points and to help keep the control panel clean.

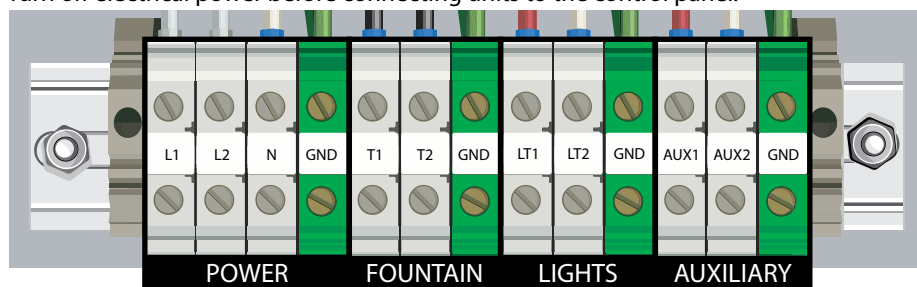
It is recommended that you have between 230 and 253 combined voltage on your incoming (L1 and L2) terminals. 208v power **IS NOT ACCEPTABLE** and will likely cause catastrophic failure to your PondSeries power unit.

CONNECTING ELECTRICAL WIRING:

CONNECT UNIT TO CONTROL PANEL

⚠ WARNING: ⚠

Turn off electrical power before connecting units to the control panel.



Connect to a Fountain:

- **Black** lead to **T1** on the terminal strip
- **White** lead to **T2** on the terminal strip
- **Green** lead to the **grounding terminal**

(OPTIONAL)

Connect to Fountain Lights (optional):

- **Black** lead to **LT1** on the terminal strip
- **White** lead to **LT2** on the terminal strip
- **Green** lead to the **grounding terminal**

Connect to Auxiliary Power (optional):

Note: Auxiliary power contains a separate GFCI and is not connected to the timers.

- **Aux1** to **Black**
- **Aux2** to **White**
- **Green** lead to the **grounding terminal**

CONNECT CONTROL PANEL TO POWER SOURCE

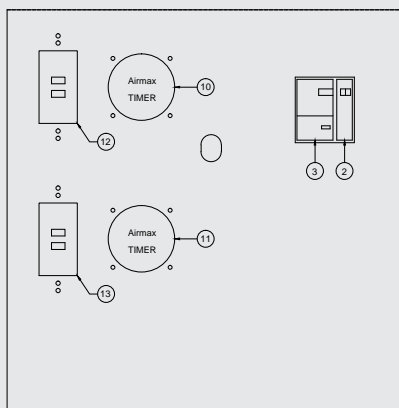
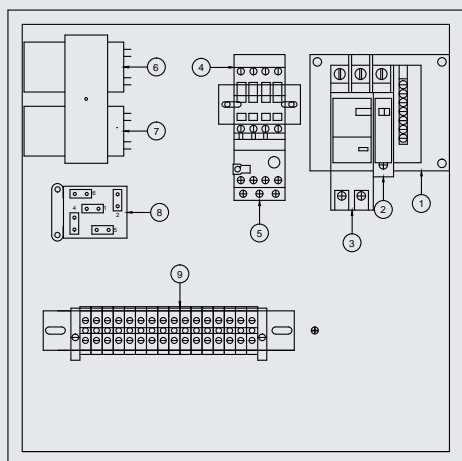
Connect the following:

- **Line 1** to **L1** on the terminal strip
- **Line 2** to **L2** on the terminal strip
- **White** to **N** on the terminal strip
- **Green** lead to the **grounding terminal**
- Set or verify that the overload assembly in the control panel is set to the motor nameplate value, plus two (2) amperes.

1 HP 230V or 1 HP 230V w/Aux Power PRODUCT CONTENTS:



NEMA 3R Powder Coated Control Panel
1 HP 230V or 1 HP 230V w/Aux Power



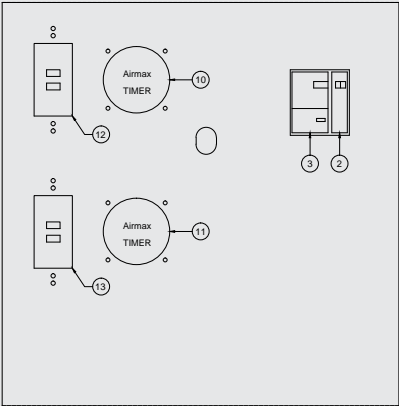
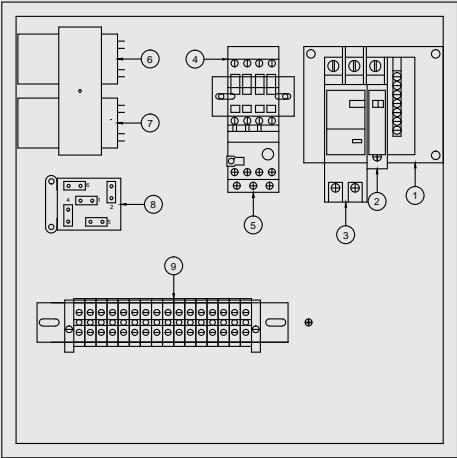
1 HP 230V REPLACEMENT PARTS:

ITEM	DESCRIPTION	PART #	ITEM	DESCRIPTION	PART #
1	Breaker Base	651970	8	1 HP Potential Relay	652214
2	Control Breaker (15 Amp)	651976	9	Terminal Blocks (Gray)	651940
3	Motor GFCI Breaker (20 Amp)	651068	9	Terminal Blocks (Green)	651941
4	1 HP Contactor 230v	651963	10	Motor Timer	651112
5	1 HP Overload Relay	651883	11	Light Timer	651112
6	Start Capacitor	651980	12	Light GFCI	651952
7	Run Capacitor	651981	13	Auxiliary GFCI (Optional)	652016

2 HP 230V or 2 HP 230V w/Aux Power
PRODUCT CONTENTS:



NEMA 3R Powder Coated Control Panel
2 HP 230V or 2 HP 230V w/Aux Power



2 HP 230V REPLACEMENT PARTS:

ITEM	DESCRIPTION	PART #	ITEM	DESCRIPTION	PART #
1	Breaker Base	651970	8	2 HP Potential Relay	652213
2	Control Breaker (15 Amp)	651976	9	Terminal Blocks (Gray)	651940
3	Motor GFCI Breaker (20 Amp)	651068	9	Terminal Blocks (Green)	651941
4	2 HP Contactor 230v	651965	10	Motor Timer	651112
5	2 HP Overload Relay	651967	11	Light Timer	651112
6	Start Capacitor	651984	12	Light GFCI	651952
7	Run Capacitor	651985	13	Auxiliary GFCI (Optional)	651952

1 & 2 HP 230V or 1 & 2 HP 230V w/Aux Power INSTALLATION INSTRUCTIONS:

The 1 HP & 2 HP 230V NEMA 3R Powder Coated Control Panel is designed for outdoor use but should be mounted above any high water levels. Holes should be drilled into the bottom of the control panel for electrical access. We recommend using grommets to protect and seal the electrical access points and to help keep the control panel clean.

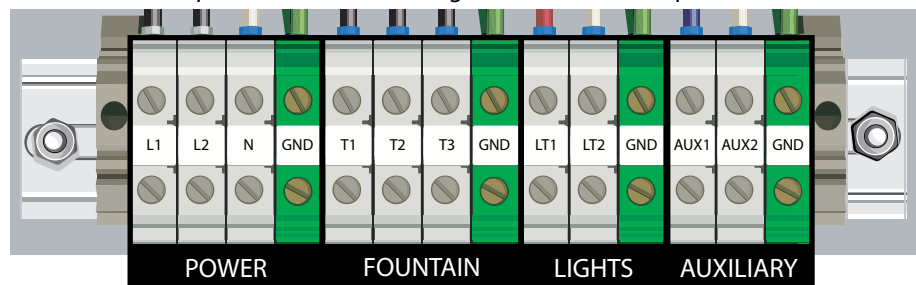
It is recommended that you have between 230 and 253 combined voltage on your incoming (L1 and L2) terminals. 208v power **IS NOT ACCEPTABLE** and will likely cause catastrophic failure to your PondSeries power unit.

CONNECTING ELECTRICAL WIRING:

CONNECT UNIT TO CONTROL PANEL

⚠ WARNING: ⚠

Turn off electrical power before connecting units to the control panel.



Connect to a Fountain:

- **Black** lead to **T1** on the terminal strip
- **White** lead to **T2** on the terminal strip
- **Red** lead to **T3** on the terminal strip
- **Green** lead to the **grounding terminal**

Connect to Fountain Lights (optional):

- **Black** lead to **LT1** on the terminal strip
- **White** lead to **LT2** on the terminal strip
- **Green** lead to the **grounding terminal**

Connect to Auxiliary Power (optional):

Note: Auxiliary power contains a separate GFCI and is not connected to the timers.

- **Aux1** to **Black**
- **Aux2** to **White**
- **Green** lead to the **grounding terminal**

CONNECT CONTROL PANEL TO POWER SOURCE

Connect the following:

- **Line 1** to **L1** on the terminal strip
- **Line 2** to **L2** on the terminal strip
- **White** to **N** on the terminal strip
- **Green** lead to the **grounding terminal**
- Set or verify that the overload assembly in the control panel is set to the motor nameplate value, plus two (2) amperes.

Notes

Notes

WARRANTY:

Airmax NEMA 3R Powder Coated Control Panel carry a 3-year limited warranty.

THANK YOU FOR CHOOSING:

Airmax, Inc.

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