







24 VOLT DC PLUG IN TRANSFORMER INSTRUCTIONS

COMPONENTS

POWER SUPPLY	WIRE CONNECTORS	MOTOR POWER CONNECTION
24V DC PLUG IN TRANSFORMER	WAGO® LATCH STYLE WIRE CONNECTORS	96" MOTOR POWER LEAD
		
Output: 24VDC Amps: 1.25 I Watts: 30	Other low voltage wire connectors that are rated for 20 Gauge wire may be used.	The Motor Power Lead comes attached to the motor and may be shortened if the full 96" is not needed

TOOLS & OPTIONAL ACCESSORIES

WIRE CUTTERS/CRIMPERS/ STRIPPERS	OPTIONAL WIRE CONCEALMENT WIRE MOLDING	OPTIONAL WIRE CONNECTORS BUTT SPLICE
		
Needed for cutting , crimping & stripping wire	Used to conceal wire. Typically placed along window casing	Optional way to connect wires versus latching style wire nuts

GETTING STARTED: POLARITY DESIGNATION

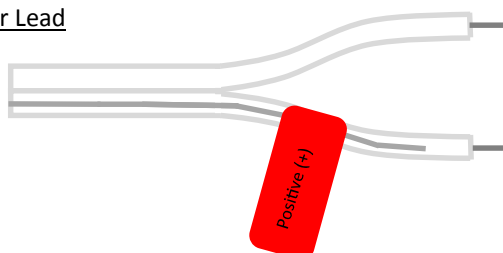
Transformer Lead



Positive Lead — Lettering/Writing

Negative Lead— Dashed Line

Motor Lead



Negative Lead— White Wire no markings

Positive Lead— Solid Line

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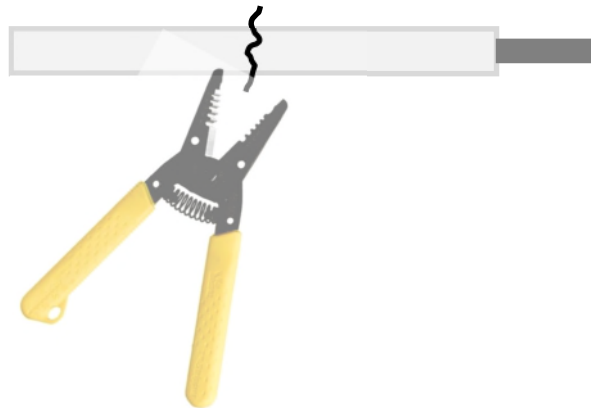
Do not plug in transformer until all connections have been made. Damage to transformer may occur if contact of the positive and negative wires occur when powered.

STEP 1: ADJUSTING WIRE LENGTH

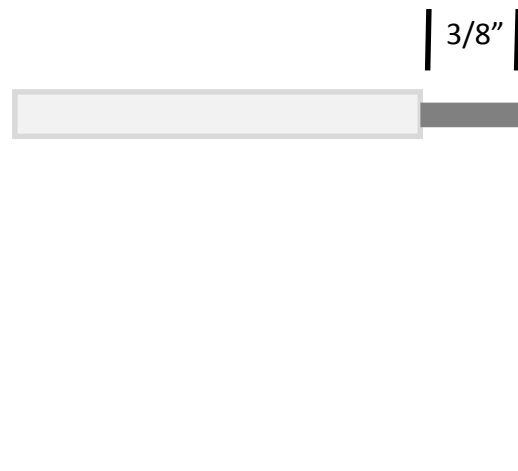
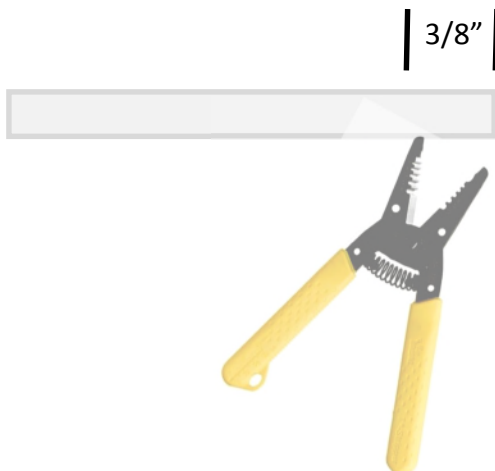
Wires on the Motor Lead and/or Transformer can be shortened or lengthened if needed. **Total distance not to exceed 25 Ft. between transformer and motor.**

To Shorten:

- Cut wire to desired length then strip back 3/8" of insulation.



- Strip back 3/8" of

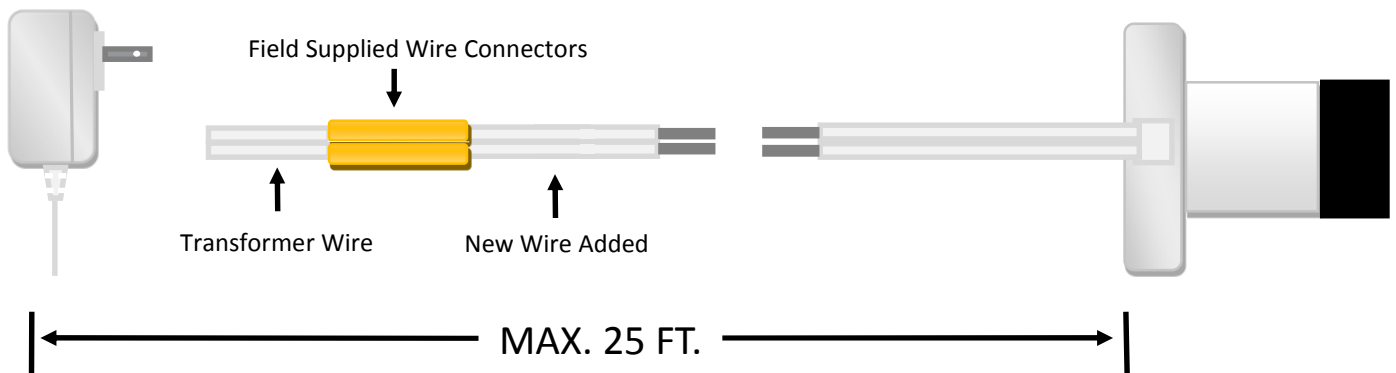


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To Lengthen:

Additional wire to be added should be a minimum of 20 gauge 2 conductor wire and can be added to either the Motor Lead or Transformer Lead. Additional wire connectors are field supplied

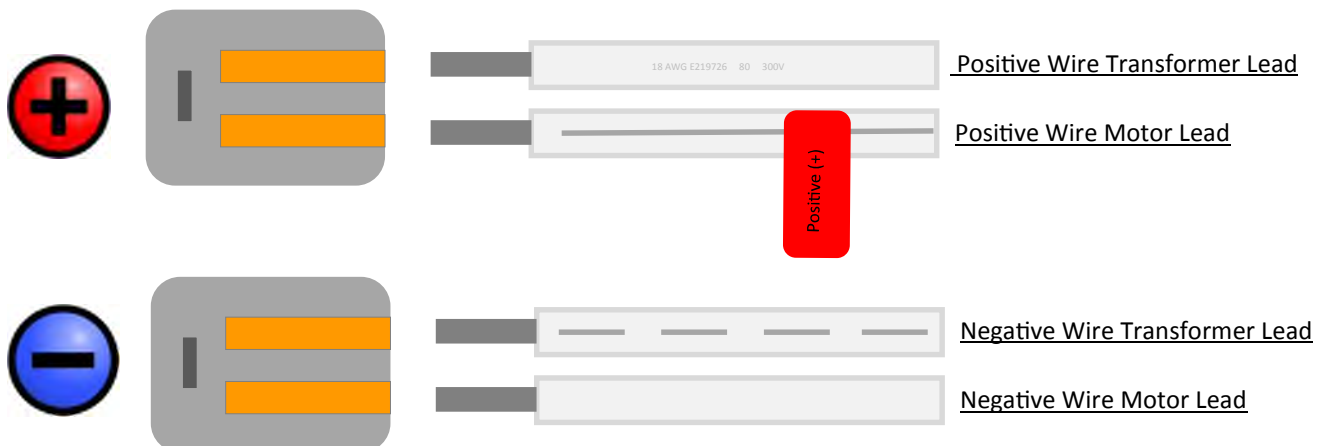
- Add wire connectors and attach the new additional wire to either the Transformer Lead or Motor Lead. Note wire markings used on the added wire for polarity



STEP 2: WIRE CONNECTIONS

Use the Latching Style Wire Nuts to connect the wires from transformer and motor lead.

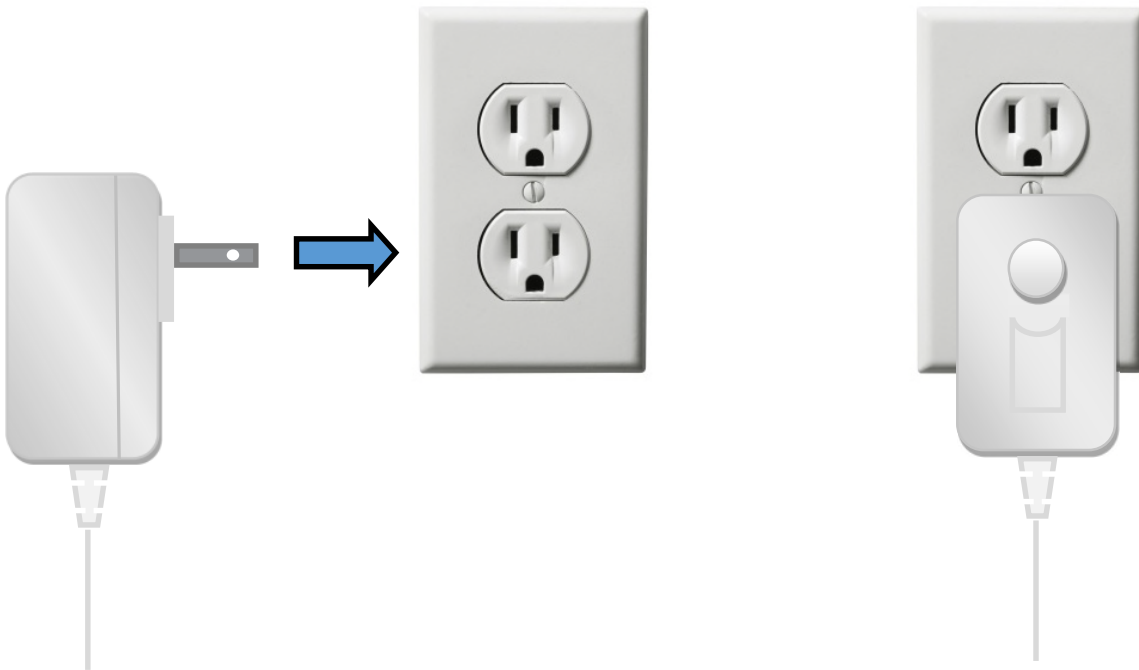
Open latches on wire nut and insert positive wire from transformer lead into one opening and positive wire from motor lead into the other opening. Then close latches to lock wires in place. Follow the same process for negative connections.



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STEP 3: POWERING THE TRANSFORMER

Plug the 24V DC Transformer into any standard 110/115/120V AC Outlet



TROUBLESHOOTING

The motor does not respond:

- Check wire connections
 - Polarity
 - Positive wires to positive wires
 - Negative wires to negative wires
 - Wire sheathing is stripped back 3/8"
- Ensure outlet is powered by plugging in a known working device such as a lamp