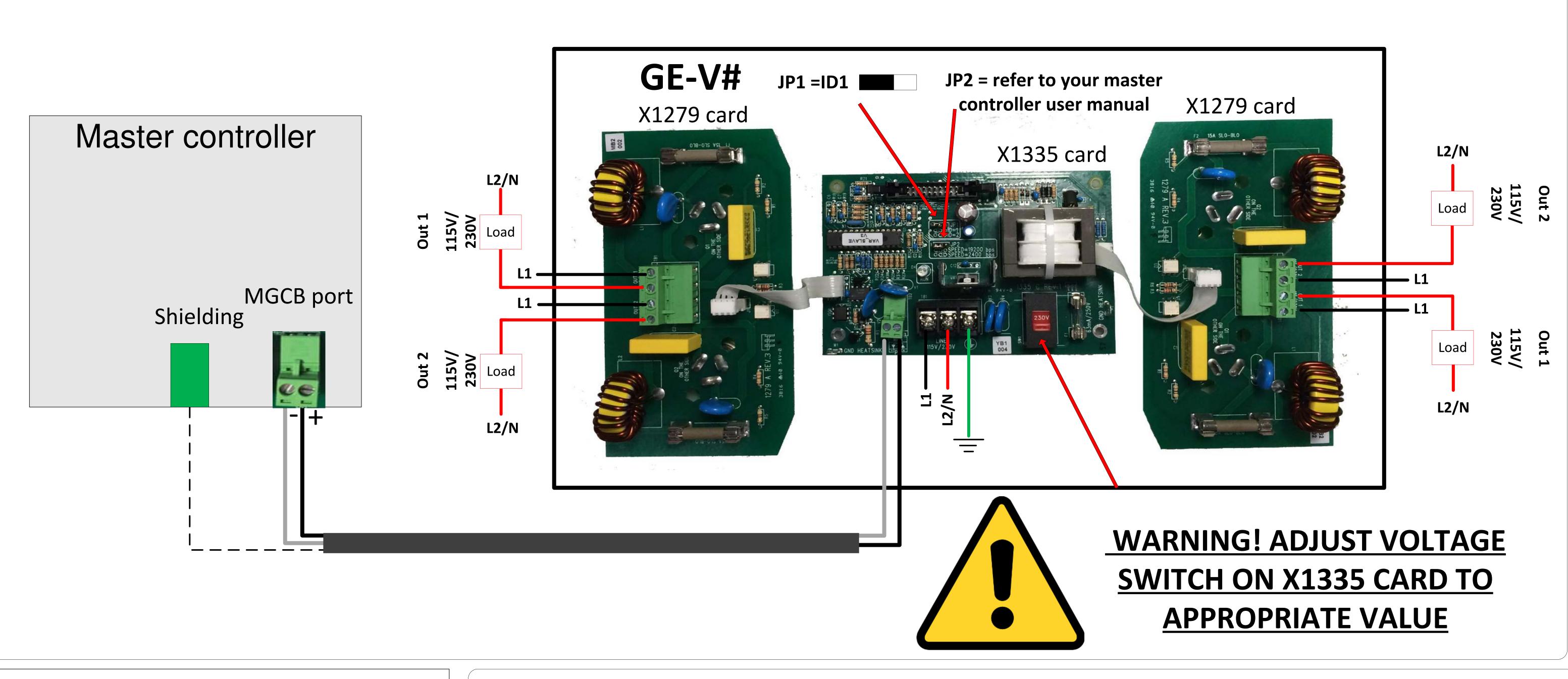
One GE-V# per port



WHEN CONNECTING TO THE MASTER CONTROLLER: REFER TO ELECTRICIAN NOTES FROM THE MASTER CONTROLLER. IF NOT SPECIFIED, USE: SHIELDED, TWISTED COMMUNICATION CABLES (8 twists per foot), MAXIMUM LENGTH FOR A 350 pF/M CABLE: 500 FEET (150 M). MAXIMUM LENGTH FOR A 89 pF/M CABLE: 820 FEET (250 M).

HIGH VOLTAGE CABLES MUST BE INSTALLED ACCORDING TO LOCAL ELECTRICAL STANDARDS.

INSTALL LOW VOLTAGE CABLES (COMMUNICATION) AT LEAST 12 INCHES (30 CM) FROM HIGH VOLTAGE CABLES (120/230 VAC, 24 VDC). ALWAYS CROSS HIGH AND LOW VOLTAGE CABLES AT 90 DEGREE ANGLES.

THE CURRENT SHALL NOT EXCEED 13.5 A AT EACH OUTPUT (OUT 1-2) FOR A RESISTIVE LOAD (LIGHTS). FOR AN INDUCTIVE LOAD (FANS) THE CURRENT SHALL NOT EXCEED 12 A AT EACH OUTPUT (OUT 1-2).

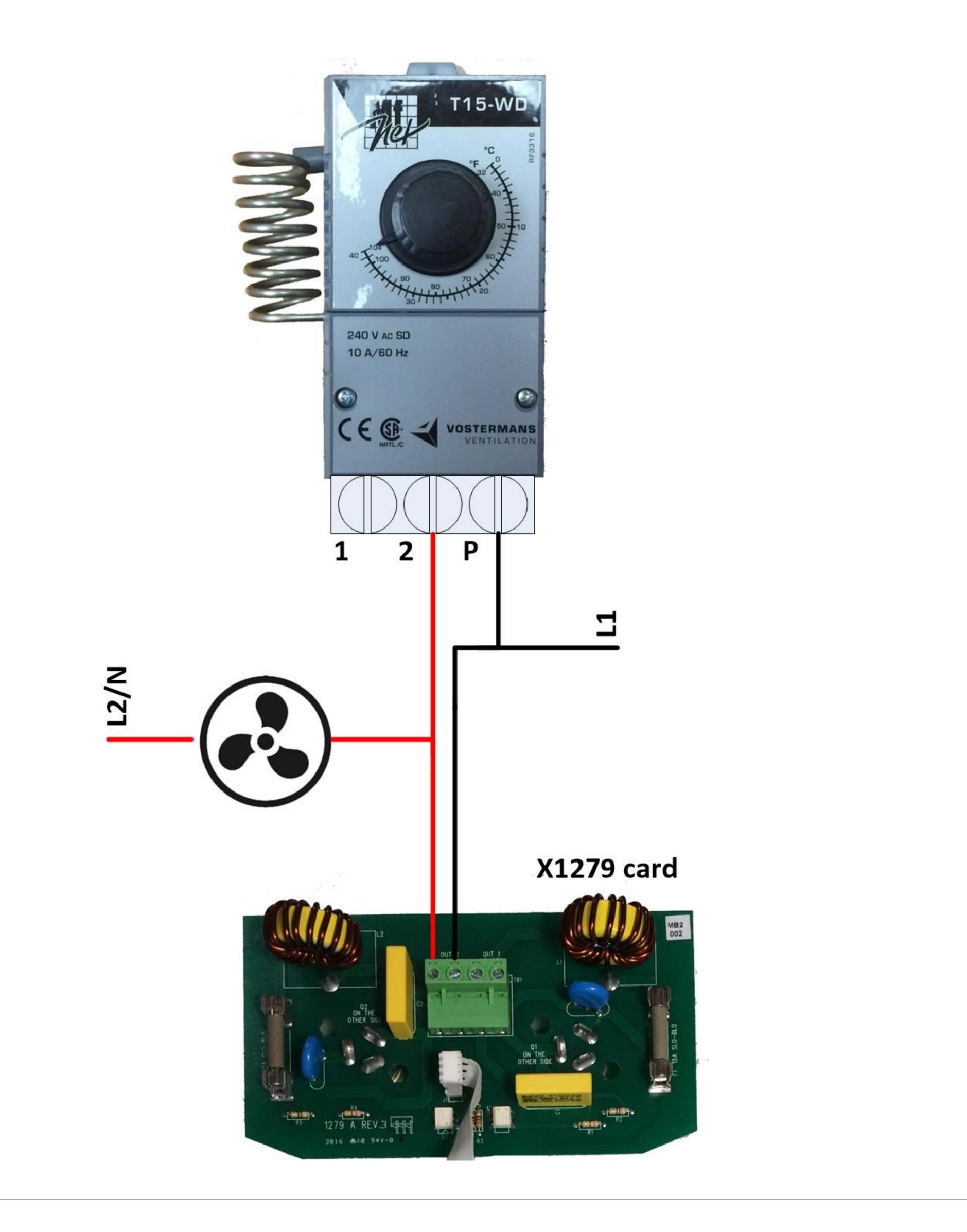
1 WIRE ONLY PER GREEN TERMINAL. USE WIRE CONNECTOR IF YOU WANT TO CONNECT MORE THAN 1 WIRE.

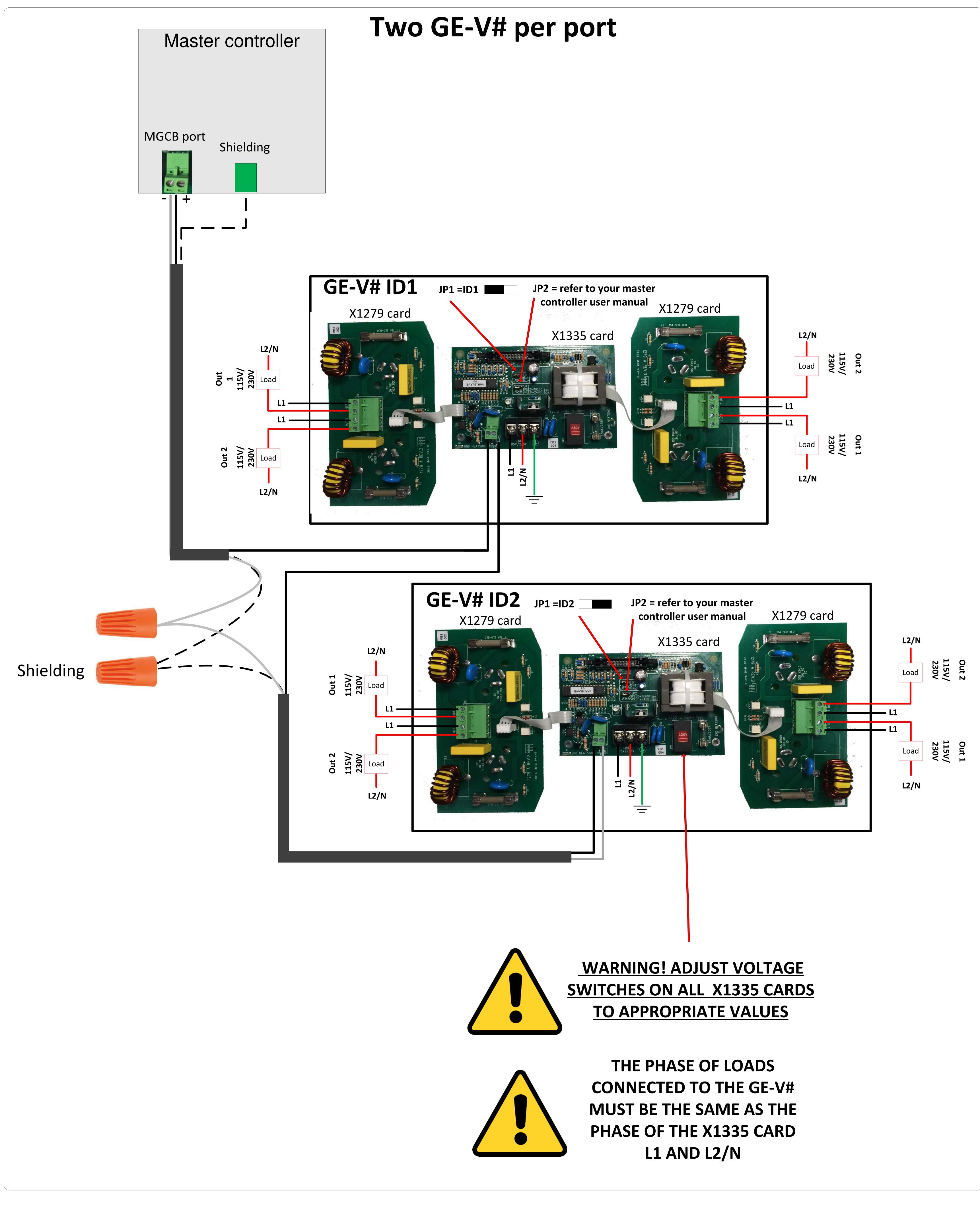
MAXIMUM OF 2 WIRES OF SAME SIZE PER BLACK TERMINAL, NO BIGGER THAN AWG #12, NO SMALLER THAN AWG #22.

VARIABLE BOARDS (X1279) OF THE GE-V#/ MODULE REQUIRE THE SAME PHASE AND VOLTAGE AS THE MAIN BOARD (X1335) OF THE MODULE.

USE THE WIRE CONNECTOR TO CONNECT THE GROUND WIRE TO THE GROUND OF THE ELECTRICAL INSTALLATION.

Backup thermostat connections





GE-V# Product sheet



GE-V# INSTALLATION INSTRUCTIONS

These instructions offer the procedures necessary for the connection and installation of the GE-V2/MGCB, GE-V2/S, GE-V4 and GE-V4/S modules. The GE-V2/S and GE-V4/S versions have manual operation switches and potentiometers for every output.

Throughout this manual, GE-V# will reference GE-V2/MGCB, GE-V2/S, GE-V4 and GE-V4/S unless otherwise noted.

The manufacturer recommends that these installation instructions be followed to the letter and that a licensed electrician complete the installation. Failure to do so may void the warranty.

Unpacking

Unpack the GE-V# and verify the contents. If anything is missing or damaged, contact your supplier.

The packaging should contain the following items:

- 1 GE-V# Module
- 4 Supports / 4 Screws
- 1 Spare fuse

Equipment necessary for installation

The following is a list of the necessary installation equipment that is not included with the product: Shielded 2-wire cable, low capacitance, AWG #22 (communication).

4 Screws (to fix the module to the wall)

Screwdriver

Soldering iron or approved waterproof connectors

General installation notes

It is recommended to install the GE-V# in a corridor to protect the module from possible contact with noxious gasses.

To eliminate condensation problems inside the GE-V#, it is recommended to install the GE-V# on an interior wall. If this is impossible, use spacing blocks to allow air circulation between the wall and the GE-V#.

The GE-V# must be installed right side up, with cable connectors at the bottom.

Although the unit is waterproof, it cannot withstand high-pressure water sprays or full water immersion. Cover it with a plastic covering prior to room cleaning.

The GE-V# must be installed in a location that is easily accessible but far from temperature extremes, water and direct sunlight.

Do not drill holes into the front, sides, top or rear of the GE-V#.

Do not install the GE-V# near high voltage equipment, a power source or a transformer.

GE-V# Product sheet

Electrical cables

Electrical cables must be installed according to local wiring codes and to the electrician notes found on the reverse side of this installation one-pager

All cable shielding must be connected to the master controller only. Do not connect them to the GE-V#. The shielding is necessary to protect the GE-V# from electromagnetic interference produced by lightning strikes or by any nearby machinery.

Never use shielding as a connector.

Use separate channels for low voltage cabling (communication) and high voltage cabling. There must be at least 1 foot (30 cm) between the low voltage channel and the high voltage one.

If a low voltage cable must cross a high voltage cable, they must cross at a 90° angle.

All cable connections must be either soldered or completed with approved waterproof connectors.

Refer to the master controller manual for cable lengths.

It is not permitted to use above ground cables outside the building.

Use an appropriate electrical connection to connect the unit's ground to the installation ground.

Power source

Each installation should have over voltage protection.

Each module should have a separate circuit breaker to eliminate the potential for undesired consequences.

Assembly

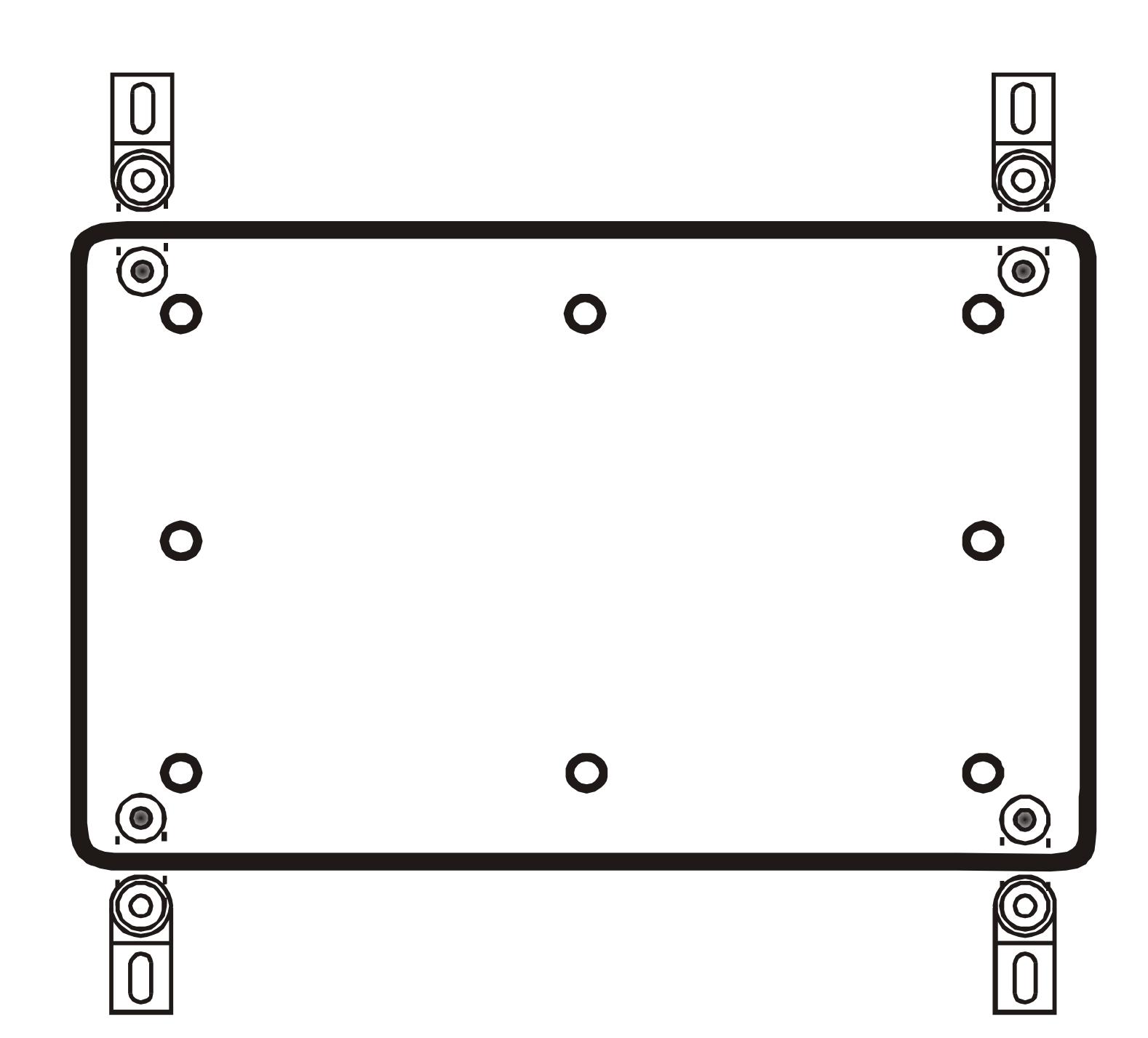
The module must be installed in an area that allows the cover to be opened fully.

Attach the four supports to the four support holes to the back of the module using the four screws supplied with the supports.

Mount the module on the wall by inserting the screws into the adjustment slots of the wall supports. Place the module so that the cabling holes are located on the bottom portion of the module.

Support slots are used to adjust the position of the GE-V#.

Once the module position is set, tighten the four support screws.





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