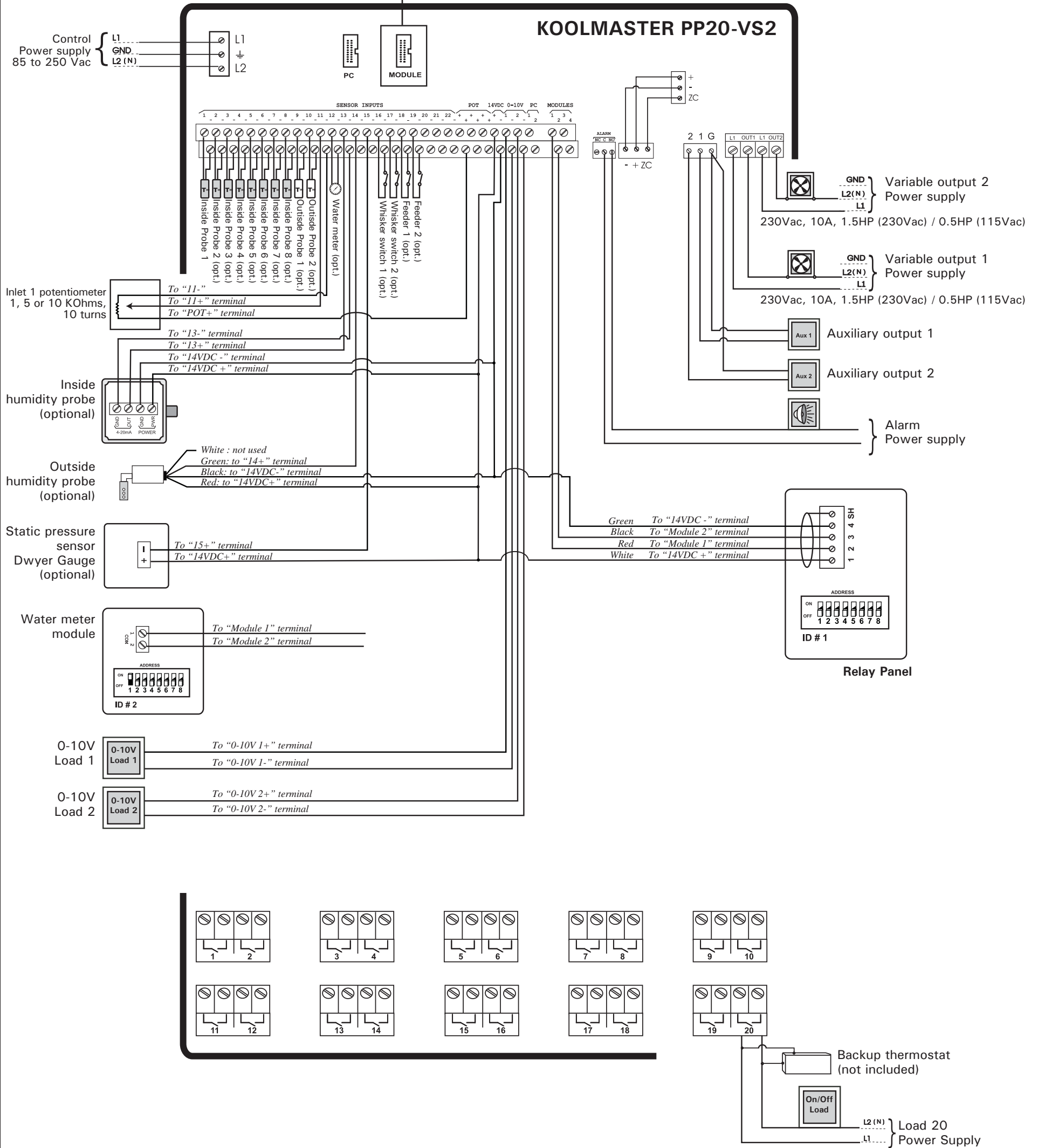


! The controller's power supply must be connected to a 15A breaker!

Module Port:
Insert a Comlink-1 card into the MODULE port if an external module is connected to the controller.



Mounting Instructions — Leave a clearance of at least 16" (400 mm) to the left of the controller box to allow the cover to be removed for maintenance.

Cable Entry — Punch holes at the bottom of the enclosure to allow wires to be introduced in the controller. Do not drill the top or side panels of the enclosure.

Alarm System — Installation of a good quality alarm system is strongly suggested to warn of power failures and high/low temperatures.

Surge Protection — Provide a surge protection (including lightning protection) from the power supply to the controller and from the control to the sensors. Consult a certified electrician if required.

3-Phase Power — Same phases must be used to power the variable fans and the controls on 3 phases power.

Low Voltage Wires — Install low voltage wires (probes & whisker switch) at least 12 inches (300 mm) away from high voltage wires (230-120VAC, 24VDC). Always cross low and high voltage wires at a 90° angle.

Water Meter — The water meter output should be a dry contact and should not pulse faster than 60 times a second (60Hz). A 22/12 AWG gauge cable no longer than 2000 feet (0.6 km) can be used to connect the water meter. Do not use a cable longer than 2000 feet even if a larger cable is used. Do not run the meter cable outside the building!!

Relays — Dry Contact, 15 A RES, 50/60 Hz
16 FLA @ 120 Vac (1HP, 746 W)
12 FLA @ 240 Vac (2HP, 1490 W)

Load Supplies — 120-240 Vac, 50-60Hz
12-24 Vdc

Backup Thermostats — The backup thermostats are shown for illustration purposes only. Sufficient backup thermostats must be used to ensure ventilation if the controller loses power.

Fuse Box — We recommend installing a fuse box on each stage.

| WIRING DIAGRAM | |
|---------------------|--------|
| KOOLMASTER PP20-VS2 | |
| 891-00464 | Rev.00 |