

EXPERT PN110

PC Port: Insert an "Enabler" card to use ABOX or insert a Comlink-1 card to use Agnet (see overleaf).

Controller Power supply
85 to 250 VAC
50-60Hz

Connect to a 15A Breaker!

Mounting the controller on the wall:
Leave a clearance of at least 16" to the left of controller box to allow the cover to be removed for maintenance.

Relays 1-14:
Dry contact
15 A RES, 50/60 Hz
120 VAC (1HP), 240VAC (2HP)

Tungsten (Light Bulb):
8.3A max at 120VAC

Cable entry:
Drill 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.

Load Supply:
120-240VAC, 50-60Hz, 12-24VDC

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

Notes:

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

Water Meter: The water meter output should be a dry contact and should not pulse faster than 60 times a second (60Hz).

2. 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.

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.

3. Same phases must be used to power the variable fans and the controls on 3 phases power.

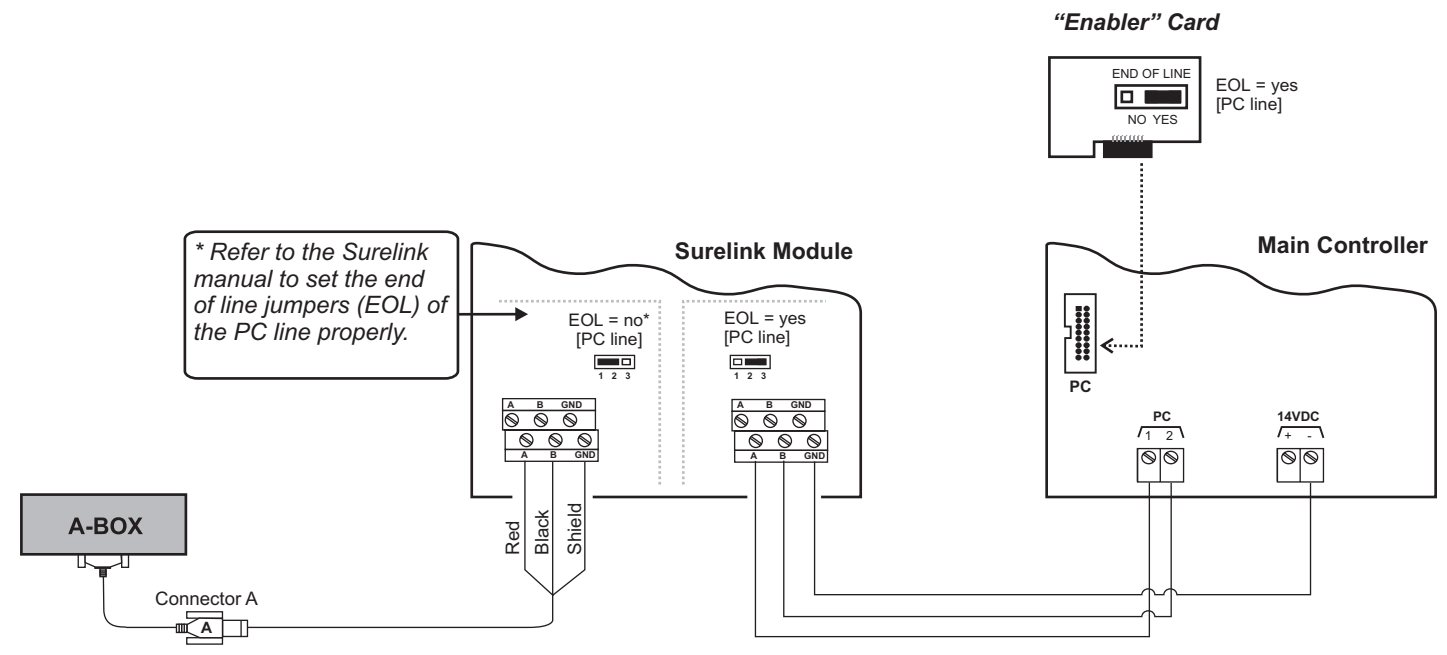
Do not run the meter cable outside the building!

4. Install low voltage wires (probes, whisker switch, potentiometer) at least 12 inches (30 cm) away from high voltage wires (230/120VAC, 24VDC). Always cross low and high voltage wires at a 90° angle.

Potentiometer's Color Legend

	COMMANDER ACTUATOR	VON WEISE ACTUATOR
1	RED	BLACK
2	BLACK	WHITE
3	WHITE	RED

A-BOX Communication System Hook-up (Optional)



AgNet Communication System Hook-up (Optional)

