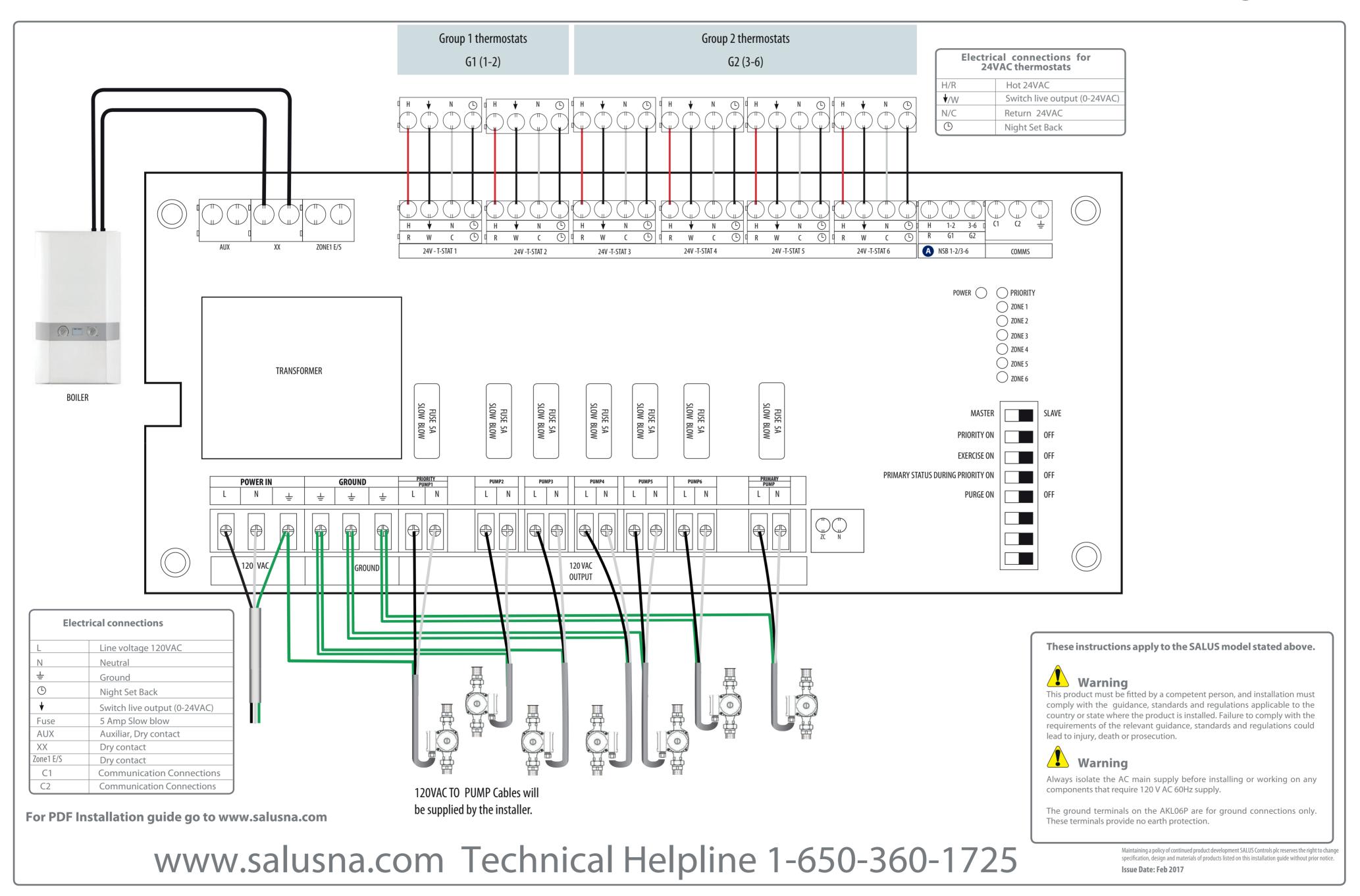
551LU5° AKL06P Zone Pump Wiring Center

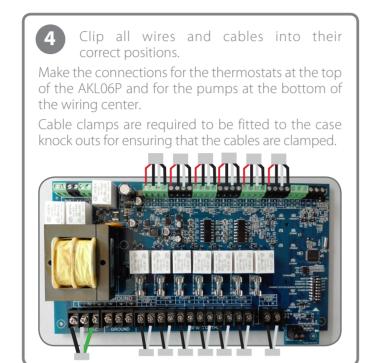
Installation and Wiring Guide



551LU5® AKLO6P Zone Pump Wiring Center Installation and Wiring Guide

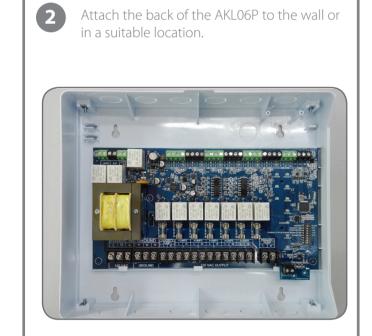
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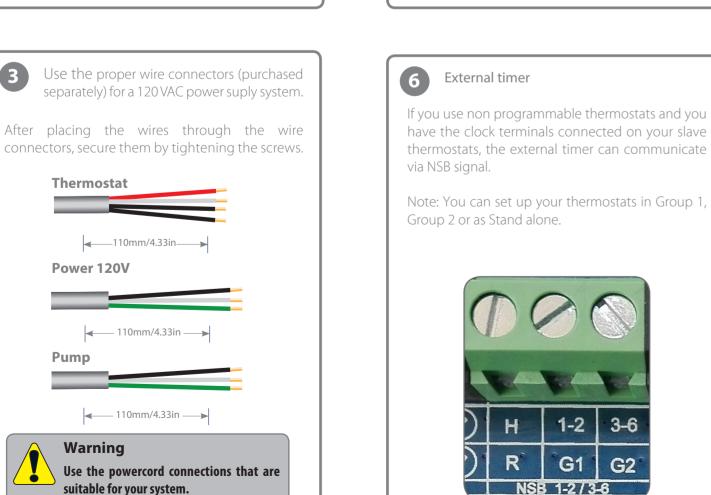




DIP Switch	Description		
Master/Slave	Choose the desired status for your Pump Wiring Center	MASTER	SLAVE
Priority ON/OFF	When the Priority is ON, Zone 1 will operate as the Priority zone	PRIORITY ON	OFF
Exercise ON/OFF	When the Exercise is ON, each zone that has been inactive for more than 72 hours will be switched on for 30 sec.	EXERCISE ON PRIMARY STATUS DURING PRIORITY ON PURGE ON	OFF OFF
Primary status during Priority ON/OFF	When ON, the Primary pump will be active during a Priority request.	PUNGEUN	OFF
Purge ON/OFF	When ON, Zone 1 will operate for 2 extra minutes after the Priority zone is switched off.		









Use the AKL06P wiring center to simply and safely connect thermostats and corresponding pumps.

- One thermostat for each zone (6 thermostats in total)
- One group with one master SALUS thermostat and up to 5 slave thermostats. Link required on clock terminals 1-2 and 3-6 (see A on the wiring diagram, front page)

- 1. You can add one pump for each zone (6 in total), one primary pump and one priority pump.
- 2. You can use SALUS thermostats or any other thermostat that is compatible for your system.
- 3. Make sure that the thermostats are all 24VAC.

Our recommendation is to use Salus thermostats.

For more details please check our website www.salusna.com

Functioning Principles

The primary pump is controlling the heating system and will be switched on when any zone is on. Exception: If the DIP Switch for Priority is ON, and the DIP Switch for Primary status during priority OFF, then the primary pump will be Off during a priority call.

The priority pump, if enabled, is for controlling the domestic hot water. This will enable the functions of Zone 1 on a master unit only. When the Zone 1 thermostat calls for heat, the Priority pump will be ON and will run for up to 1 hour, switching OFF all other zones. After 1 hour, all the zones will resume to their normal function. To enable the Priority pump there needs to be a Zone 1 thermostat connected to the domestic hot water control.

3. Zone Pumps

The Zone pumps will be activated when the thermostats are calling for heat, except when the priority zone is activated.

4. Auxiliar Outputs

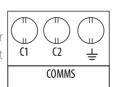
There are 3 volt free auxiliar outputs.

AUX: It will be active when any pump is ON and the Priority pump is OFF. XX: It will be active when any zone is ON, including the Priority zone.



5. Communication connections

The terminals (C1.C2, $\stackrel{\triangle}{=}$ can be used to connect up to 4 slave Pump Wiring Centers to your master Pump Wiring Center. The master wiring center needs to have the DIP switches set 0 4 4 as Master and the slave pump wiring centers will have the DIP switches set as slaves.



6. ZC / N Connector

When the Master switch is set to ON and the Priority Switch is set to OFF, the ZC/N connector on the AKL06P can be used to enable or disable the unit based upon the output from the boiler ZR/ZC 120V contact. When 120VAC is applied across ZC/N on the AKL06P, the unit will be enabled; when 120VAC is not applied across the ZC/N contacts of the AKL06P, the unit will be disabled and all pumps will be switched off.



FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no quarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

LED indications

Name	Colour	Meaning
Power	•	AKL06P is supplied with 120VAC power
Priority	•	On when a Priority is active
Zone 1	•	Demand from zone 1 thermostat: pump active
Zone 2	•	Demand from zone 2 thermostat: pump active
Zone 3	•	Demand from zone 3 thermostat: pump active
Zone 4	•	Demand from zone 4 thermostat: pump active
Zone 5	•	Demand from zone 5 thermostat: pump active
Zone 6		Demand from zone 6 thermostat: pump active