

For PDF Installation guide go to:

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Technical Helpline 1-855-557-2587

Wiring Guide

cal Connections					
Γhe	ermostat Connections				
	24 VAC				
	Call for Heat				
	24 VAC common				
tac	ts (rated 120 VAC, max. 2 A)				
	Auxiliary				
	Active Pump(s)				
/S	Local Priority				
Sla	ve Communication Lines (5 V)				
	Master Priority				
	Slave Active				
	Communication Ground				
C	onnections				
	AC Line In (max. 20 A)				
	Zone Pump Line Out (max. 1/6 HP)				
	AC Neutral				
	Zone Control / Priority Input(120 VAC)				
	Earth Ground				
slov	w blow, 5x15 mm (2AG)				

FCC Statements and Notices

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

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 guarantee 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 measures: 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

• Consult the dealer or an experienced radio/TV technician for help.

FCC and Industry Canada

RF Radiation Exposure statement: This equipment complies with FCC and Industry Canada RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the

Cet appareil est conforme aux limites d'exposition au rayonnement FR du FCC et d'Industrie Canada pour un environnement non contrôlé. Cet appareil devrait être installé et devrait fonctionner de sorte qu'il se trouve à une distance d'au moins 20 cm entre l'antenne

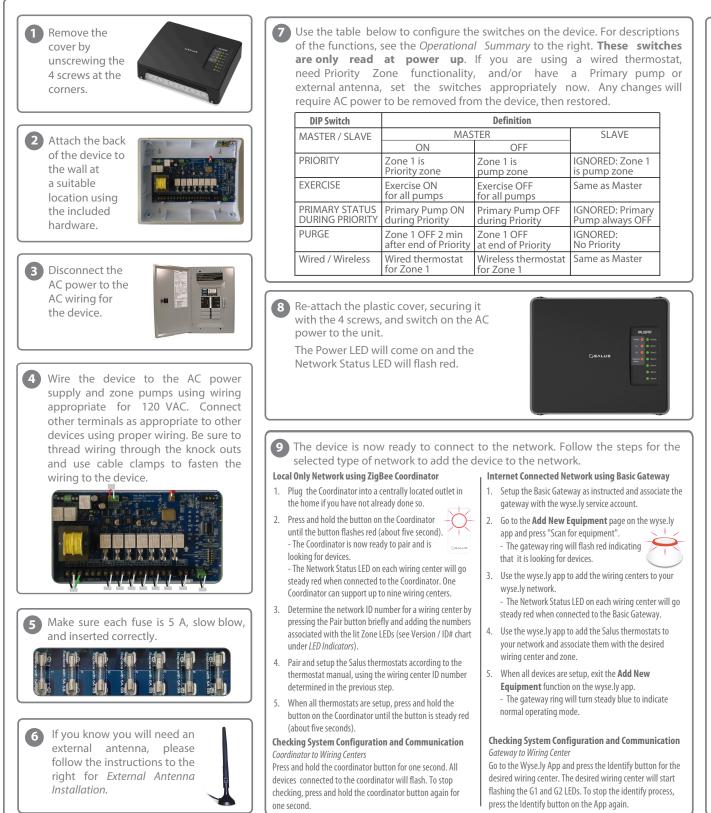
onctionnement.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le

SALUS

AKL06PRF Zone Pump Wiring Center Installation Guide



Operational Summarv

Following is a brief summary of the functions available in the AKL06PRF wiring center to simply and safely connect thermostats and corresponding pumps.

Group Function (available only in Local Only Networks)

- The wiring center can have four different configurations:
- One standalone thermostat for each zone (6 thermostats in total)
- Two groups: Group 1 (G1), zones 1-2, with a master thermostat and optional slave thermostat, and Group 2 (G2), zones 3-6, with a master thermostat and up to 3 slave thermostate
- Group 1 with master/slave thermostats and the other zones (3-6) with standalone thermostats
- Zones 1 and 2 with standalone thermostats and Group 2 with master/slave thermostats

For wireless thermostats, groups are set on the thermostat during the pairing process. When " $\exists r$ " flashes on the thermostat display, press UP/DOWN arrows to select the group number. Group "___" is standalone operation.

Zone Pumps

The Zone Pumps are activated when the associated thermostats call for heat, **except** when a Priority Zone call is Active, in which case the pumps are turned off.

Exercise Function

When turned on, the Exercise function will turn ON a pump for 30 seconds after 72 hours of no activity on that pump.

Master/Slave Connections

The three terminals (C1, C2, and GND) can be used to connect up to 4 other wiring centers (5 total). They are wired in parallel (C1 to C1 to C1, C2 to C2 to C2, etc.) with up to 100 meters from end to end. Only one wiring center can be the Master, the other wiring centers must be Slaves, as determined by the position of the MASTER / SLAVE DIP switch.



ZC / N Connector (Master wiring center only)

A Master wiring center without Priority uses the ZC/N terminals to enable or disable the wiring center, typically from the boiler ZR/ZC 120 VAC contacts. When 120 VAC is applied across the ZC/N terminals, the wiring center is enabled. When 120 VAC is not applied, the wiring center is disabled



Dry Contacts (Master wiring center only)

There are three sets of dry contacts in the wiring center. AUX XX ZONE1 E/S **AUX**: Contact closure when any pump is ON and Priority Zone is **not** active. **XX**: Contact closure when any pump is ON, including an active Priority Zone. Zone1 E/S: Contact closure when Priority Zone is active. Can be used for self-

The Priority Zone function is usually used to give domestic hot water (DHW) priority for the boiler output. Activating this function will change the behavior of Zone 1 on the MASTER wiring center. When Priority is ON and the Zone 1 thermostat calls for heat, the following occurs as part of an active Priority Zone:

- centers, are turned OFF
- operation.
- end the call for heat.
- Zone 1 thermostat ends the initial call for heat.

Purge Function (Master wiring center only)

When turned on, the Purge function will keep the Zone 1 pump ON for 2 minutes following the end of a Priority Zone call. All other zones will remain off during the purge.

Primary Pump Function (Master wiring center only)

The Primary Pump controls the heating system and it switches ON when any zone is ON, including zones on SLAVE wiring centers, except:

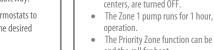
PRIMARY STATUS DURING PRIORITY switch is OFF and Priority Zone is Active,

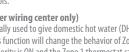
WHEN: PRIORITY switch is ON. THEN: Primary Pump is OFF

regulated pumps or other controls. Priority Zone Function (Master wiring center only)

and all pumps are switched OFF.







- Zone 1 pump is turned ON and all other pumps, including those on SLAVE wiring
- The Zone 1 pump runs for 1 hour, after which all zones resume their normal
- The Priority Zone function can be canceled early by having the Zone 1 thermostat
- Another Priority Zone call after the 1 hour period cannot be initiated until the

Label	naica	ators				IDENTIFY
	Color	Indicati				Indicators
Power	•	120 VA	C powe	r ON		
G1	•	Group	1 pumps	active		
G2	•	Group	2 pumps	active		
letwork		Searching for a network			(
Status	•	Paired to a network				
Priority		Priority Condition active			e	
Zone #	•	Zone # pump active				
ersion / NCID #	Zone 1			f zone nu Zone 4		5 Zone 6
1	•					
2		•	•			
4				•		
5	•			•		
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