Wireless Pump Relay Controllers
AKL01PRF / AKL04PRF / AKL06PRF

Pump relay control is now wireless

- Save installation time and wiring costs
- No more running thermostat wires throughout a home
- Put thermostats where they need to go, not where the wires can go
- Wirelessly control the boiler
- Control up to 30 zones in a single boiler system
- Works with wired systems so those hard to reach / broken wire locations can be easily dealt with
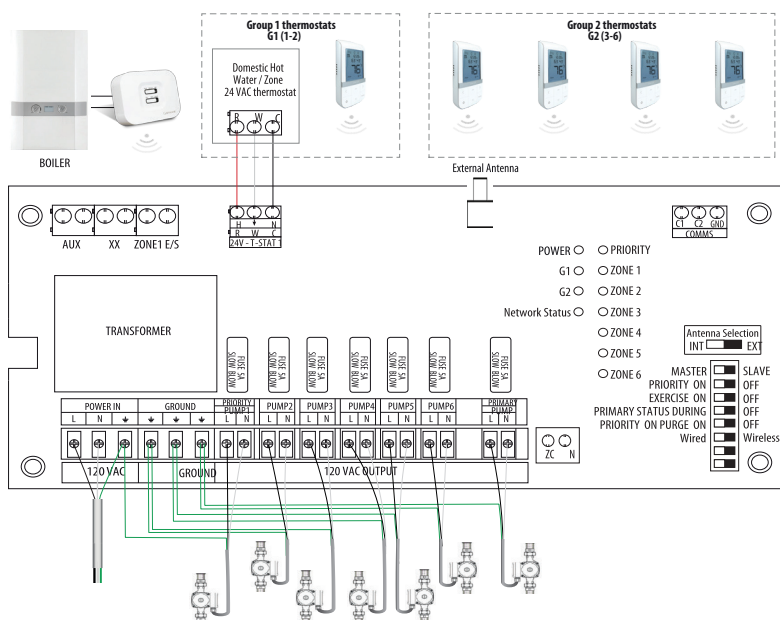
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Description and Features

The SALUS Wireless Pump Relay Controllers are devices that communicate with wireless thermostats and receivers to control traditional heating pumps and boilers, and provide the following functions and features:

- Primary pump control
- Priority zone support (domestic hot water)
- Purge – Priority pump continues to run for 2 minutes after end of priority call
- Exercise – pumps turn ON for 30 sec. after 72 hours of inactivity
- Thermostat grouping
- ZC/ZR boiler enable support
- Wireless boiler XX support with a ZigBee Receiver (AX10RF)
- XX and AUX normally open contacts support
- Master / Slave function for up to 5 units (1 master / 4 slaves)
- External Antenna for sheltered locations
- LED indicators for zones and other status
- 3 models: AKL01PRF – single zone
  AKL04PRF – 4 zone
  AKL06PRF – 6 zone

Example Wiring Diagram (AKL06PRF)

Order Details / Contact

Model Name: Wireless Pump Relay Controller

Model	Single Unit UPC	Carton GTIN
AKL01PRF	817989023063	10817989023060 (10 pcs)
AKL04PRF	817989023025	10817989023022 (4 pcs)
AKL06PRF	817989023049	10817989023046 (4 pcs)

Tel: 1.650.360.1725
Email: sales@salusinc.com

SALUS NORTH AMERICA, INC.
850 Main Street
Redwood City, CA 94063
www.salusinc.com

Specifications

	AKL01PRF	AKL04PRF	AKL06PRF
Controls			
Pair Button	√	√	√
Configuration Switches			
Antenna Selection Internal/External	√	√	√
Master/Slave		√	√
Priority ON/OFF		√	√
Exercise ON/OFF		√	√
Primary Status During Priority ON/OFF		√	√
Purge ON/OFF		√	√
Wired/Wireless (Priority Tstat)		√	√
Indicators			
Power LED	√	√	√
Network Status LED	√	√	√
Priority LED		√	√
Group 1 LED		√	√
Group 2 LED		√	√
Zone LEDs (1 per zone)	1x	4x	6x
Terminals			
Power In (L, N) 120 VAC 50/60 Hz, max. 20 A.	√	√	√
GND	1x	4x	4x
Primary Pump (L, N) max. 1/6 hp		√	√
Pumps (L, N) max. 1/6 hp	1x	4x	6x
Priority on Pump 1		√	√
AUX contacts		√	√
XX contacts, 120 VAC, 2 A max.	√	√	√
ZONE1 E/S contacts		√	√
Wired Priority Thermostat (R, W, C) 24 VAC, max 0.8A		√	√
Comm (C1, C2, gnd)		√	√
External Antenna	√	√	√
Keyhole Screw Mounts	3x	4x	4x

	Weight	Dimensions
AKL01PRF	1.23 lbs, 0.56 kg	3.15" x 6.3" x 4.5" 80 x 160 x 114 mm
AKL04PRF	3.14 lbs, 1.43 kg	3.15" x 11" x 9.25" 80 x 280 x 235 mm
AKL06PRF	3.38 lbs, 1.53 kg	

Fuses: 5A slow blow, 5x15 mm (2AG)
Radio: 802.15.4 radio (2.54 GHz), ZigBee HA1.2 based protocol
Operating Cond.: 32° -110° F, 0° - 43° C, 20 - 90% RH, non-condensing
Storage Cond.: 32° - 122° F, 0° - 50° C, 20 - 90% RH, non-condensing

Agency Compliance:
ETL certified to CSA C22-2 No. 24 and UL873
FCC, Industry Canada
CE: RoHS, REACH, WEEE
Warranty: 5 years limited warranty

Accessories:
AWRT10RF Wireless Radiant Thermostat
ANT10RF – ZigBee External Antenna
AX10RF – ZigBee Receiver