

# Relay Controller

AKL08 / AKL08RF



The SALUS AKL08 Relay Controller for underfloor heating systems is the perfect interface between thermostats and actuators. It ensures precise control for optimum comfort and efficiency. Volt-free connections for Pump and Boiler integration, 120 VAC power input, 24 VAC outputs, and Night Set Back control allow the AKL08 to fit any situation.

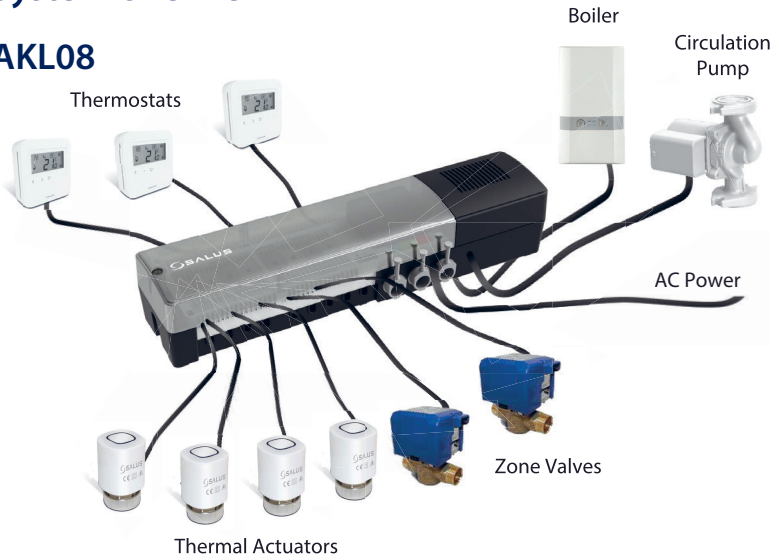
The AKL08RF version adds wireless thermostat communication for quick and simple system installation, as well as support for Heat/Cool changeover and dew point sensing.

## Features & Benefits

- 8 zones, up to 4 actuators each
  - Volt-free connections available for pump and/or boiler integration
  - Works with NC or NO actuators
  - Night Set Back feature in wired thermostat model
  - Sturdy contemporary design
- AKL08RF
- Wireless thermostats for quick and simple installation, saving time and wiring costs
  - Integrates via the SALUS Smart Home app with other compatible SALUS devices to allow full Smart Home functionality

## System Overview

### AKL08



### AKL08RF



## Order Details / Contact

Model Name: Relay Controller

Model	Single Unit UPC	Carton GTIN
AKL08	817852020038	10817852020035 (4 pcs)
AKL08RF	817852020045	10817852020042 (4 pcs)

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## Specifications

	AKL08	AKL08PRF
<b>Controls</b>		
Reset (pinhole button)	√	√
Network button		√
<b>Indicators</b>		
Zone LED	8x	8x
Boiler Enable	√	√
Pump Enable	√	√
Power	√	√
Heat / Cool		√
Network		√
Group 1		√
Group 2		√
<b>Configuration Switches</b>		
NC / NO Actuators	√	√
0 / 15 min Boiler delay	√	√
Internal / External Antenna		√
<b>Terminals</b>		
Power In (L, N, GND)	√	√
Actuator Outputs (4x)	8x	8x
Boiler Contacts: max. 120 VAC, 3 A resistive	√	√
Pump Contacts: max. 120 VAC, 10 A resistive	√	√
Thermostat Terminals (L, N, SL, Ⓟ)	8x	
Night Set Back (L, Ⓟ1-4, Ⓟ5-8)	√	
USB Type A port		√
Heat / Cool contact inputs		√
Dew point contact inputs		√
External Antenna		√
<b>Mechanical</b>		
Weight: 7.5 lb, 3.4 kg		
Dimensions: 19.0" x 4.3" x 3.8", 483 x 109 x 96 mm		
<b>Power</b>		
Supply: 120VAC, 60 Hz		
Fuse: 5x20 mm, 250 V, 4.0A fast-acting, High breaking current		
<b>Radio (AKL08RF)</b>		
802.15.4 (2.4 GHz), ZigBee HA1.2 based protocol		
<b>Environmental Conditions</b>		
Operating: 32 - 122 °F, 0 - 50 °C, 5 - 95% RH, non-condensing		
Storage: -4 - 140 °F, -20 - 60 °C, 5 - 95% RH, non-condensing		
<b>Agency Compliance</b>		
FCC, Industry Canada		
ETL listed to UL-60730-1 and CAN/CSA-E60730-1		
<b>Warranty</b>		
5 years limited warranty		
<b>Compatible Devices</b>		
A30NO24, A30NC24, A30NC24EW – Thermal Actuator		
AKL08		
AHTR2024 – Dial Thermostat		
AHTR3024 – Digital Thermostat		
AHTR5024 – Programmable Thermostat		
ART20-24V – Dial Thermostat		
AKL08RF		
AWRT10RF Wireless Radiant Thermostat		
AC10RF – ZigBee Coordinator		
AX10RF – ZigBee Receiver (remote contact)		
SG888ZB – Basic Gateway		
ANT10RF - External Antenna		

