

ThermoControl Plus

The Multi-Zone control specifically designed for gas-fired IR heaters



Experience counts:

Schwank is the worldwide market leader and most trusted brand with over 2 million heating appliances sold.

The New Definition of Energy Efficiency

Smart, versatile, and compact, ThermoControl Plus is the first programmable controller engineered to optimize the performance of your Schwank infrared heating system.

Excellent Investment

- Reduction of ON/OFF cycles up to 35%.
- Additional energy savings: up to 10%
- High Performance with low cost

Smart

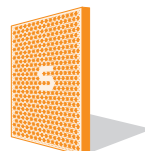
- Minimal set up and configuration required
- Smart adaptive recovery function saves energy, and guarantees optimal comfort at all times
- CM 232/485 interface with automatic detection (plug and play), no installation software required
- Easy to use menu system, and graphical interface
- Data acquisition software offers reporting and analysis capabilities

Versatile

- 1 model handles many field requirements and up to 8 control zones for single and two stage applications
- Simplifies and optimizes operations through remote and Ethernet accessibility
- Efficient integration of IR heating systems
- 8 programmable holiday periods (by calendar dates) per heating zone
- Easy to install, and simple to use



Schwank
INNOVATIVE HEATING SOLUTIONS



ThermoControl Plus - Multi-Zone control designed for gas-fired IR heaters

The Schwank Advantage:

- Worldwide market leader in infrared heating
- Highly rated customer service in the industry:
 - The quickest lead times, as short as two days
 - The best on-time performance, over 99% during normal periods, and over 95% during peak seasons
 - The best quality in the industry: service claims less than 0.8% of sales
- Heating solutions from one source: luminous heaters, tube heaters, patio heaters & stadium heaters
- Fuel cost analysis and investment evaluation
- Professional planning and free CAD design layout
- Comprehensive warranty: 10 years tubes and ceramic burner, 3 years all other components

Our References Include:

US Army, Canadian Armed Forces, Amazon.com, Lear Corporation, BMW, Purolator, UPS, Bombardier, Siemens, WalMart, DHL, and Air Canada.

Technical Specifications & Features

- Control Relays: 24V, 50/60 Hz, 6.3 Amp max. load
- Output to external zone relay that activates exhaust fan, and heaters
- Error relay
- Includes external zone relays and 100V transformer to power control
- Input: black bulb sensor 5-174 Ω , -22 to 104°F (-30 to 40 °C)
- 1 or 2 stage radiant heating control (zone specific)
- Fuses: 5x20mm, F1: 6.3A (F = Fast), F2: 125 mA T (T = Time Lag)
- Operating Temperature: 32 to 122°F (0 to 50°C)
- Storage Temperature: 32 to 140°F (0 to 60°C)
- Temperature control range: 37 to 95°F (3 to 35°C)
- Temperature averaging capability (4 indoors sensors/ zone)
- Enclosure: NEMA 13 watertight; and UV-resistant
- Optional communications cards: CM/RS 232; CM/RS 485
- EEPROM memory and battery backup

Dimensions and Specifications

Indoor black bulb sensors required:	Thermo Control Plus 1	Thermo Control Plus 2	Thermo Control Plus 4
Single stage zones	2	Up to 4	Up to 8
Two stage zones	1	Up to 2	Up to 4
Internal control relays (24 V)	2	4	8
Zone relays included	2 x 12 FLA	4 x 12 FLA	8 x 12 FLA
Dimensions: inches mm	7-3/4 x 81/2 x 5-1/2 (205 x 265 x 140)	7-3/4 x 81/2 x 5-1/2 (205 x 265 x 140)	10-3/4 x 81/2 x 5-1/2 (275 x 265 x 140)
NEMA 13 enclosure	Yes	Yes	Yes

Optional Accessories:

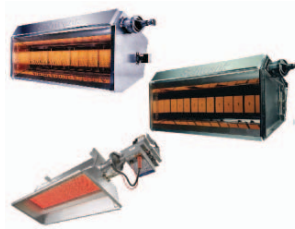
Indoor black bulb sensor
Outdoor temperature sensor
Setback override switch
CM/RS 232 Data logger
CM/RS 485 BMS interface

Distributor info:

Schwank Tube Heater Series



Schwank Luminous Heater Series



patioSchwank Series

