

# ThermoControl Plus

Intelligent BMS control for infrared heating

Engineered for  
IR Heating  
Systems



## Experience counts:

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

## Intelligent Control for gas-fired Infrared Heating Systems

Smart, versatile and compact: ThermoControl Plus is the first programmable controller engineered to optimize the performance of your Schwank infrared heating system by adjusting heat delivery according to building requirements, outside temperature and desired comfort level.

### Smart

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

## Excellent Investment

- High Performance at low cost
- Additional energy savings up to 15% compared to conventional warm air thermostats

## 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 - Intelligent BMS control for infrared heating

## 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: our service claims are less than 0.8% of sales
- Complete heating solutions from one source: luminous [high intensity], tube, patio and stadium heaters
- Fuel cost analysis and investment evaluation
- Professional planning and free design support

## Our References Include:

US Army, Canadian Armed Forces, Amazon.com, Ford, Chrysler, BMW, Sears, UPS, US Steel, Bombardier, Alstom, Siemens, WalMart, DHL, Delta Airlines, Continental Airlines and Air Canada.

## Technical Specifications & Features

- Control Relays: 24V, 50/60 Hz, 6.3 Amp max. load
- Includes 100V transformer and external zone relays to activate exhaust fan and heaters
- Input: black bulb sensor 5-174 Ω, -22 to 104°F [-30 to 40 °C]
- 1 or 2 stage radiant heating control [zone specific]
- Operating Temperature: 32 to 122°F [0 to 50°C]
- Temperature control range: 37 to 95°F [3 to 35°C]
- Temperature averaging capability [4 indoor sensors/zone]
- Includes outdoor temperature sensor
- 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 8-1/2 x 5-1/2 [205 x 265 x 140]	7-3/4 x 8-1/2 x 5-1/2 [205 x 265 x 140]	10-3/4 x 8-1/2 x 5-1/2 [275 x 265 x 140]
NEMA 13 enclosure	Yes	Yes	Yes

### Optional Accessories:

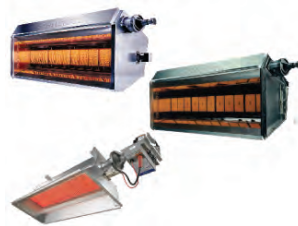
Indoor black bulb sensor            JM-0505-XX  
 Setback override switch            JM-0509-XX  
 CM/RS 232 Data logger  
 CM/RS 485 BMS interface

### Distributor info:

### Schwank Tube Heater Series



### Schwank Luminous Heater Series



### patioSchwank Series

