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CATALOG KỸ THUẬT · JOHNSON CONTROLS

## Cảm biến nhiệt độ phòng TE730

có núm chỉnh điểm đặt · Pt1000, giắc modular

TE730 Johnson Controls – cảm biến nhiệt độ phòng Pt1000 có núm chỉnh điểm đặt 15–29 °C, nút ghi đè có người, cổng SA Bus, giắc modular cho bộ điều khiển VAV.

Mã: TE730 · Hãng: Johnson Controls · Hotline: 093 797 2339

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## TE730 Series Sensor

### Introduction

The TE730 Series Temperature Sensors provide temperature sensing in room wall-mount applications. This arrangement allows local temperature setpoint adjustment and temporary occupancy override.

A setpoint dial is included on all models to adjust the temperature setpoint. A manual occupancy override push button is available on one model to allow the user to request a time-of-day scheduling override, when the space is occupied outside of the normal occupied hours schedule.

The wires connecting the temperature sensor to the controller are terminated with a modular jack connection. All models include a Sensor Actuator (SA) Bus access port (6-pin modular jack) for connecting accessories. This feature allows a technician to commission or service the controller via the temperature sensor.

Refer to the TE730 Series Temperature Sensors Installation Instructions (Part No. 24-10674-0) for important product application information.



TE730 Series Temperature Sensors with Occupancy Override Push Button (Left) and without Occupancy Override Push Button (Right)

### Features

- large setpoint dial — provides ease of temperature setpoint adjustments by the user
- occupancy override push button (TE730-39C-0 model) — allows the user to request a time-of-day scheduling override when the space is occupied outside of the normal occupied hours schedule
- compact and easy to install design — interfaces directly with the field controller via modular jack connections
- 6-pin modular jack SA Bus access port — allows a technician to commission or service the field controller via the TE730 Series Temperature Sensor

### Repair Information

Do not attempt to field repair the TE730 Series Temperature Sensor. As with any electrical device, always keep the air vents clean and free from dust or obstruction. If the TE730 Series Temperature Sensor fails to operate within its specifications, replace the unit. For a replacement temperature sensor, contact the nearest Johnson Controls® representative.

### Selection Chart

| Product Code Number | Temperature Sensor Type             | Temperature Setpoint Adjustment Dial | Integral Manual Occupancy Override Push Button | Connection   | Enclosure Dimensions (Height x Width x Depth) |
|---------------------|-------------------------------------|--------------------------------------|------------------------------------------------|--------------|-----------------------------------------------|
| TE730-29C-0         | Platinum 1k ohm Thin Film Resistive | Yes                                  | No                                             | Modular Jack | 80 x 80 x 36 mm (3-1/4 x 3-1/4 x 1-7/16 in.)  |
| TE730-39C-0         | Platinum 1k ohm Thin Film Resistive | Yes                                  | Yes                                            | Modular Jack | 80 x 80 x 36 mm (3-1/4 x 3-1/4 x 1-7/16 in.)  |

### Technical Specifications

| TE730 Series Temperature Sensors        |                                                                                                              |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Temperature Sensor Type                 | Platinum 1k ohm Thin Film Resistive                                                                          |
| Temperature Sensor Coefficient          | Approximately 3.9 ohms per °C (2 ohms per °F)                                                                |
| Temperature Sensor Reference Resistance | 1k ohms at 0°C (32°F)                                                                                        |
| Temperature Sensor Accuracy             | ±0.56°C/±1.0°F at 21°C (70°F)                                                                                |
| Temperature Setpoint Range              | Adjustable 15 to 29°C (59 to 84°F)                                                                           |
| Temperature Sensor Response Time        | 13 Minutes at 0.05 m/s (10 fpm)                                                                              |
| Field Connections                       | 8-Pin Modular Jack Connector                                                                                 |
| SA Bus Access                           | 6-Pin Modular Jack Connector with Bottom Access for a Wireless Commissioning Converter or VAV Balancing Tool |
| Ambient Operating Conditions            | 0 to 40°C (32 to 104°F); 10 to 90% RH, Noncondensing; 30°C (86°F) Maximum Dew Point                          |
| Ambient Storage Conditions              | -40 to 60°C (-40 to 140°F); 5 to 95% RH, Noncondensing; 30°C (86°F) Maximum Dew Point                        |
| Materials                               | White Thermoplastic Enclosure                                                                                |
| Shipping Weight                         | 0.1 kg (0.3 lb)                                                                                              |



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**MST**

0317566997

**ĐỊA CHỈ THUẾ**

G6/18H Đường Trần Văn Giàu, Xã Bình Lợi,  
Thành phố Hồ Chí Minh, Việt Nam

**VĂN PHÒNG**

**CS1:** 111/7 Vườn Lài, Phú Thọ Hòa, Tân Phú,  
TP.CHM

**CS2:** TT1-09 Foresa 4A, KĐT Xuân Phương,  
TP. Hà Nội

**HOTLINE**

093 797 2339

**EMAIL**

info@dlk.com.vn

**WEBSITE**

www.dlk.com.vn