



## Datasheet

# Digital Sensor (PL-T200)

## Description

The ProLon T200 digital sensor is designed to work with a variety of ProLon controllers, to which it transmits information such as the ambient zone temperature, heating and cooling setpoints as well as the schedule override request from the zone. The modern, attractive, low profile enclosure is suitable for classrooms, hotels, executive areas, office spaces and other commercial areas. Mounting hardware is provided for installation on dry wall or a 2" x 4" electrical junction box.

## Features

- 10KΩ Type 3 NTC thermistor 1% precision
- Standard 10KΩ setpoint potentiometer +/- 20% tolerance across the range
- Embossed momentary pushbutton used to override un-occupied status
- Easy wiring with numbered screw type terminal block or RJ45 modular jack
- Oval shape and curved features offer a modern look. Other colors available!
- Scales for degrees:

Part Number	Scale
PL-T200C	Celsius (15 to 30 °C)
PL-T2000F	Fahrenheit (59 to 86 °F)
PL-T200A	-/+

## Technical Specifications

- **Supply:** 24 VAC ±10%, 50/60 Hz
- **Power:** 2 VA (max)
- **Interface:** Rotary knob and schedule override push-button
- **Microprocessor:** SyncMOS 8-bit, 11 MHz, 64KB FLASH memory
- **Communication:** Modbus RTU (RS485), 57600 bps
- **Connection:** Screw type terminal blocks (16 AWG max) and RJ45 modular jack
- **Dimensions:** 3.23" x 4.96" x 1" (82 mm x 126 mm x 25 mm)
- **Weight:** 0.35 lbs (0.16 kg)
- **Environment:** 32-122 °F (0-50 °C)
- **Mounting:** Standard electrical box 2" x 4"

## Compliance

- FCC Compliant to CFR47, Part 15, Subpart B, Class B
- Industry Canada (IC) Compliant to ICES-003, Issue 5: CAN ICES-3 (B)/NMB-3(B)
- RoHS Directive (2002/95/EC)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications not approved by ProLon can void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential

installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class (B) digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment regulations.