



TRL LPT

Technical Data

Measuring range	0 to +40°C
Supply voltage	Link Power via network
Accuracy	±0,2°C
Sensor type	Thermistor 10K
Microprocessor	Neuron 3120
Clock speed	5 MHz
Transceiver	LPT-10A
Network speed	78kBits/sec
Network compatibility	TP/FT-10
Network bus polarity	Polarity independent
Network wiring	22 to 16AWG twisted pair; see Echelon FTT-10 User guide for qualified cable types
Connectors	Terminals for 0,5-1,5mm ² cable
Ambient range temp.	-10...+60°C
Ambient range hum.	25-90%RH@50°C, non-condensing
Installation aids	Pin & Service LED
Commissioning aids	Status LED
Housing	
Material	ABS (flame retardant)
Dimension	85x85x30
Protection Class	IP30
Weight	120gram

This product meets the requirement of CE-approval

Features

- Attractive housing
- Improved airflow over sensing elements
- Connects anywhere on network
- LONWork compatible sensor
- LNS ActiveX Plug-in
- Power supply derived from the bus

Design

The TRL LPT is a wall mounting temperature sensor with LonWorks network connectivity used for the detection of mean radiant/comfort temperature sensor in a space, utilising a black bulb.

Use of LPT-10A standard receiver enables the device to be powered via the 2-wire LON connection

The TRL LPT utilises two part connectors for ease of installation and accepts 42Vdc power supply.

Designed to be compliant with LonMark version 3.2 interoperability guidelines, the TRL LPT can be easily configured and used in multi-vendor system, open systems

Application

A wall mounting temperature sensor TRL LPT with LonWorks network connectivity designed for indoor applications.

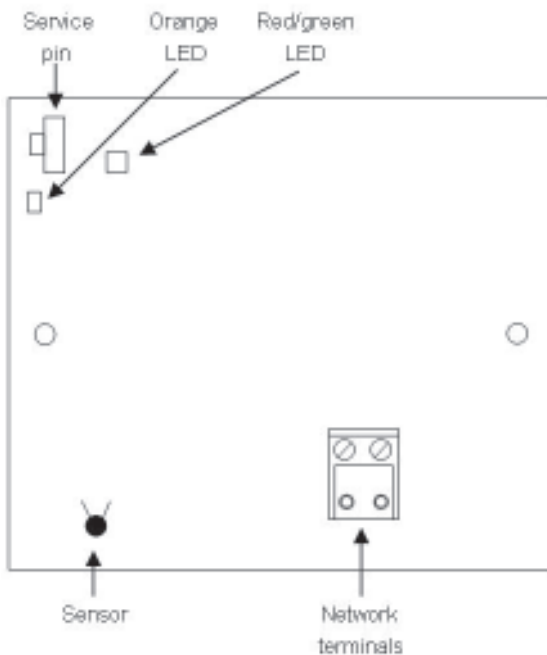
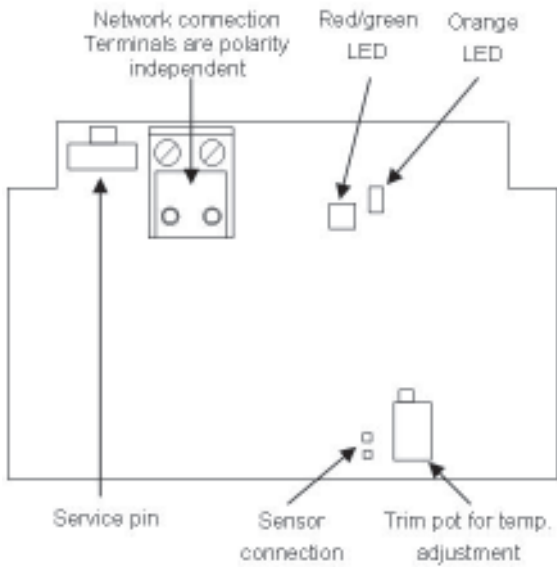
Design Features

The sensing element is a high quality curve-matched thermistor housed in a well-ventilated housing.

Ordering Code

TRL LPT Room Temperature Sensor LPT

Connections



Commissioning Information

When the service pin is pressed the unit will transmit its Neuron ID, and the orange LED will flash.

On increasing and decreasing temperature, the green LED will flash once every 6 seconds. The red LED will flash if there is no sensor element.

Object Details

node object nvi0 nviRequest (SNVT_obj_request) requests supported:

- RQ_NULL
- RQ_NORMAL
- RQ_DISABLED
- RQ_UPDATE_STATUS
- RQ_SELF_TEST
- RQ_UPDATE_ALARM
- RQ_REPORT_MASK
- RQ_OVERRIDE
- RQ_ENABLE
- RQ_RMV_OVERRIDE
- RQ_CLEAR_STATUS
- RQ_CLEAR_ALARM
- RQ_ALARM_NOTIFY_ENABLED
- RQ_ALARM_NOTIFY_DISABLED
- RQ_MANUAL_CTRL
- RQ_REMOTE_CTRL
- RQ_PROGRAM

node object nvo1 nviStatus (SNVT_obj_status) states supported:

- | | |
|------------------|-----------------------|
| object_id | unable_to_measure |
| invalid_id | comm_failure |
| invalid_request | self_test_test |
| disabled | self_test_in_progress |
| out_of_limits | locked_out |
| open_circuit | manual_control |
| out_of_service | in_alarm |
| mechanical_fault | in_overrdie |
| feedback_failure | report_mask |
| over_range | programming_mode |
| under_range | programming_fail |
| electrical_fault | alarm_notify_disabled |

HVAC Temperature Sensor object

- nvo6 nvoHVACTemp SNVT_temp_p
- nciMaxSendTime SNVT_time_sec
- nciMinSendTime SNVT_time_sec
- nciMinDelta SNVT_temp_p#SI
- nciTmpOffset SNVT_temp_diff_p#SI

