



MONITORING SYSTEMS TH110 Temperature & Humidity Monitor



For on-site and remote temperature & humidity monitoring applications



- Networked product
- Alarms on high and/or low relative humidity
- Alarms on high and/or low temperatures
- Reports temperature, relative humidity and absolute humidity
- Set up parameters maintained for restart
- Built in power supply for 4-20 mA sensor

Product Data

Humidity/ Temperature Monitoring

The TH110 monitors/alarms relative humidity and temperature inputs from 4 - 20 mA sensors. A single sensor unit would typically comprise two 4 - 20 mA outputs, one for RH and one for temperature. For monitoring exterior RH and temperature a suitably encapsulated sensor unit is available.

Alarms

The TH110 will monitor and alarm on high and/or low relative humidity and temperature. In addition to monitoring the relative humidity and temperature, the unit also calculates the absolute humidity in g/m^3 . Alarm parameters and delay periods can be configured on-site or remotely.

Remote Access

If operating within a JTL Network, alarm parameters and alarm settings can be viewed and adjusted remotely.

Hardware

RH sensor type	4-20 mA
Temperature sensor type	4-20 mA

Technical Specification

Sensor input 1	Relative humidity
Sensor input 2	Temperature

RH measuring range	0 - 100%
Temperature measuring range	-20°C to +50°C (depending on sensor)
Alarm threshold setting range (RH)	0 - 99% Low, 1 - 100% High
Alarm threshold setting range (Temperature)	-20°C to +50°C Low/High

Sensor power supply voltage	15 V dc
-----------------------------------	---------

Communications port	RS485 2 wire
Communications data rate	4800 baud
Communications protocol	JTL Jnet zone protocol

Unit dimensions boxed (L x W x H)	140 x 140 x 43 mm
Unit weight boxed	0.33 kg

Power supply (standard)	230 V 48-62 Hz
(optional)	110 V

Ordering Information

TH110	Complete unit boxed
-------------	---------------------

Power Supply Options:

For 110 V append -110 to order code



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.

Doc No. 03260 TH110.pmd Issue 1 Jan 2006

JTL Systems Limited

Head Office

Technical Support Centre

Monitoring Centre

Newbury

Newbury

Sunderland

tel: 44 (0)1635 263646

tel: 44 (0)870 321 8585

tel: 44 (0)870 321 4161