DATASHEET

Product name	Temperature and Humidity Sensor	
Type / Model	THS SENSOR 20 12DC RS485	
Order Code	ZZ0582-1.xx	Date of last revision: 21.11.2018

THS SENSOR 20 12DC RS485 is an electronic device for measuring and displaying the actual air temperature and humidity. Its built-in LCD display provides immediate high precision reading to the user in real time. Sensor can be connected to one or more *large-size displays on the serial RS485   network. It can be powered directly from a large-size display, or from an   external power supply adapter 230VAC/12VDC (order code KTR-0020).

* Please note, large-size display parameters can be found in datasheet for CDN 100 TH R L20 230AC.

Temperature and Humidity Sensor Technical Specifications

Humidity measurement range	5% ~ 95%
Humidity precision	+/- 3%
Temperature measurement range	-30°C ~ +70°C
Temperature precision	+/- 0,5°C
Communication interface	RS485
Communication protocol	Special protocol as described in protocol description
Power supply	9 ~ 24 VDC**
Class of protection	IP 20 (for indoor use only)
Dimensions	120 mm x 208 mm x 23 mm (see dimensional drawing)

** sensor is powered directly from a large-size display or from an external power supply adapter 230VAC/12VDC, order code: KTR-0020.

Dimensional Drawing

208.0

120.0

106.0

SENSOR

(51)

28.0

102.0

ø15

RJ45
LAN CABLE

(80)

50.5

(80)

50.5

2xø4.3

POWER SUPPLY
CONNECTOR