Reference: SHSUTHD

Selected parameters TYPE Environmental sensor HOUSING Wall mounting POWER SUPPLY Bus-powered Others TYPE Environmental sensor HOUSING Wall mounting POWER SUPPLY Bus-powered MAIN CHARACTERISTICS T/%RH sensor with display

Buy it at Electric Automation Network

Smart Dupline®
CO2, Temperature and Humidity Sensors w. Display
Type SHSUXXXXD
• Bus-powered CO2, temperature and humidity sensors
• Wall mounting
• CO2 measuring range: 0 to 2000 ppm
• Temperature measuring range: -20 to 50 °C
• Humidity measuring range: 0 to 100 %RH
• LCD Display for showing measured values
• Touch function to activate back-lighting and change signal type
• Low current consumption
• Easy installation
• Smart Dupline®protocol
Product Description
Ordering Key
SH SU CO T H D
TheSHSUXXXXD lineare bus-powered roomsensors forwall-mounting.They are available in different combina- tions of CO2, temperature and relative humidity. The sensors have a LCD display for show- ing the measured values. By activating the touch button in the front the LED backlight is turned on and the signal type to be shown can be changed. The only connection needed
for the sensor is the Dupline®
2-wire cable. Several sensors can be multi-droppedvia the same Dupline®2-wire bus, thereby simplifying the wiring to the controller significantly. The atd>Smart Dupline®
Sensor
CO2
Temperature Humidity Display
Type Selection
Module typeIndication Supply: Bus-powered

CO2 + TemperatureDisplay SHSUCOTD CO2 + Temperature + Humidity Display SHSUCOTHD Temperature + Humidity Display SHSUTHD Temperature Display SHSUTD

Supply Specifications

Power SupplySupplied by Dupline®

Power on delay ≤ 3 s

Dupline® Specifications

Inputspecifications

CO2

Measurement principle Non-Dispersive Infrared

Technology (NDIR) Sensing element E+E Dual Source Infrared

System

Signal range 0 to 2000 ppm

Accuracy

Voltage8.2 V Maximum Dupline® voltage10 V Minimum Dupline® voltage 5.5 V

Maximum Dupline® current

SHSUCOTD10 mA

SHSUCOTHD 10 mA SHSUTHD 5 mA SHSUTD 5 mA

(@ 25°C and 1013mbar) < ± (50ppm +2% of meas- uring value)

Response time Typ 300 s

Temperature dependenceTyp. 2ppm CO2/°C (0...50°) Long term stabilityTyp. 20ppm / year

Temperature

Signal range -20 to 50 °C Inaccuracy+/-0,5°C Sample rate5 s

Humidity

Signal range 0 to 100 %RH Inaccuracy30%..70% : +/-3%

0%..100%: +/-5% Sample rate5 s