COMBINED HUMIDITY AND TEMPERATURE SENSOR

TECHNICAL DATA

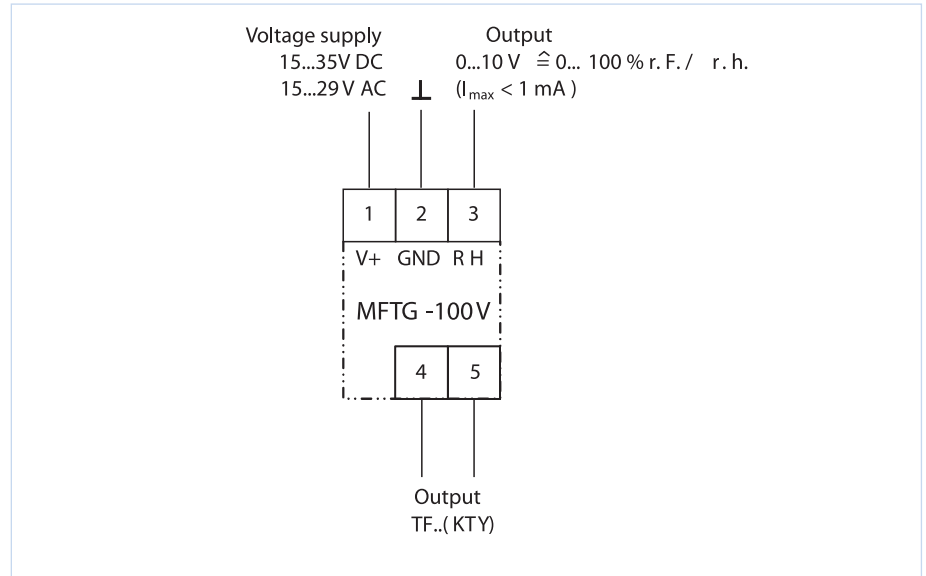| Model Number	Permissible Temperature range	Protection class	Sensor Head, mm	Sensor Post, mm
DCV-HT-MFTG-100V	-40°C to +60°C	IP65	80W x 80H x 37D	Ø12 x 82

DESCRIPTION

Can provide accurate measurement of both relative humidity and temperature in air conditioned and refrigerated conditions. The sensing element contains a special protective coating for use in polluted environments.

Features

• Relative humidity measurement range: 0-100%.

• The temperature measurement is made by the change in resistance on the built-in PTC (Positive Temperature Coefficient) element (KTY81-210).

• High grade sintered stainless steel element acts as a filter against contaminants.

WIRING DIAGRAM

Voltage supply
15...35V DC
15...29 V AC

Output
0...10 V ≙ 0... 100 % r. F. / r. h.
($I_{max} < 1$ mA)

1	2	3
V+	GND	R H

MFTG -100 V

4	5

Output
TF..(KTY)

COMBINED CO$_2$, HUMIDITY AND TEMPERATURE SENSOR

TECHNICAL DATA

Model Number	Protection class	Sensor Head, mm
DCV-CB-MCFTG-3AV	IP20	80W x 100H x 26D

DESCRIPTION

A combined sensor designed to measure CO$_2$ concentration, relative humidity and temperature. Typical applications include occupied spaces such as office buildings, conference rooms and education centres. Measurements can be taken either separately or combined.

Features

• Values are shown alternatively on an integrated display.

• Measurement range:
CO$_2$: 0-2000 ppm
Humidity: 0-100%
Temperature: 0°C to +50 °C

• 24V AC ±20 %

WIRING DIAGRAM

Suppy

15...35V DC
24V AC ±20%

1	2	3	4	5	6
V+	GND	RH	T	CO$_2$	GND