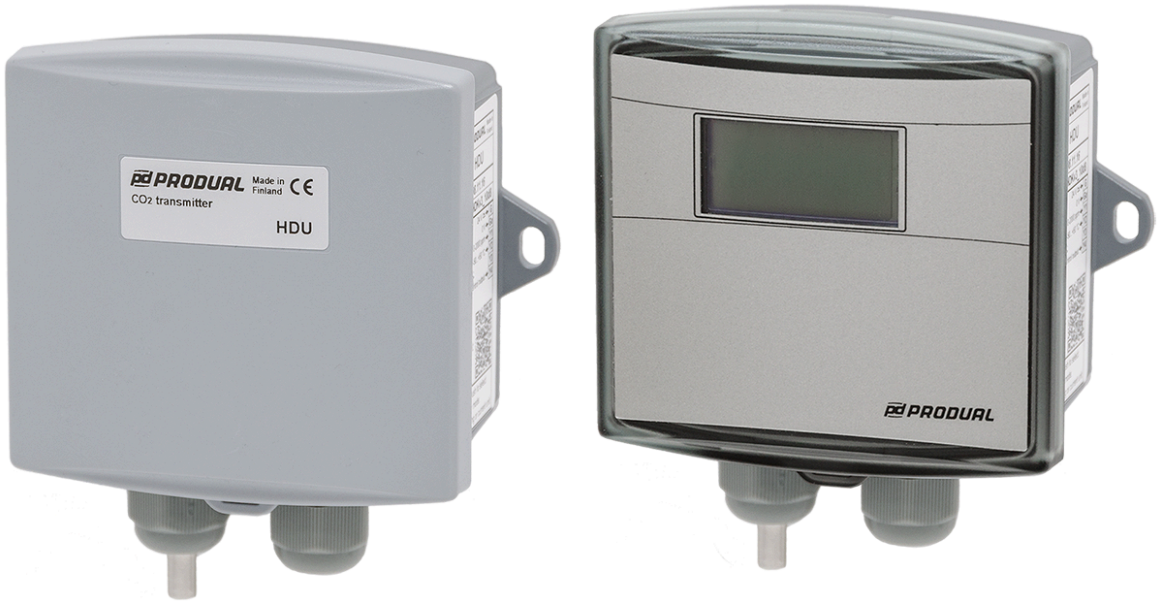
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DATA SHEET

HDU 10K

Produal

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PRODUAL
measure-be sure.

HDU 10K - CO_2 TRANSMITTER/CONTROLLER FOR COLD SPACES

HDU 10K transmitters are designed for detecting and controlling carbon dioxide concentration, temperature and humidity in cold places. The transmitter information can be used for demand-based ventilation control, for example.

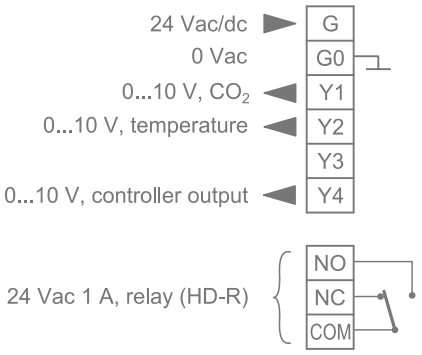
The measurement values scroll on the N model display. The wanted value can be locked to view continuously.

ABCLogic™ self-calibration method eliminates the possible long-term drift. The ABCLogic™ function can be turned off by using the ML-SER tool.

The control output can be controlled either according to a one measurement value or according to the maximum selection of all values. The controller settings can be changed by using the ML-SER tool.

The transmitter can be equipped with a HD-R relay (24 Vac, 1 A). The relay output can be controlled either according to a one measurement value or according to the all measured values. The relay switching point can be adjusted by using ML-SER tool.

Wiring:





Technical data

Supply	24 Vac/dc (22…28 V) < 10 VA
Carbon dioxide measurement	
range	0…10000 ppm
accuracy (25 °C)	typ. ±200 ppm +3 % from reading (ABCLogic™)
long term stability/year	< 2 % FS (ABCLogic™)
time constant	< 2 min
Temperature measurement	
range	-50...50 °C
accuracy (25 °C)	±0.5 °C
Outputs	0…10 V < 2 mA
Operating conditions	
temperature	-30...50 °C
humidity	0...85 % RH (non cond.)
Housing	IP54
Dimensions (w x h x d)	105 x 110 x 46 mm

Ordering guide:

Model	Product number	Description
HDU 10K	1135220	CO_2 and °C transmitter for cold spaces, range 0...10000 ppm
HDU 10K-N	1135221	transmitter with display, range 0...10000 ppm
HD-R	1135003	option, relay 24 Vac 1 A
ML-SER	1139010	transmitter commissioning tool

Products fulfil the requirements of directive 2014/30/EU and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

Information is subject to change without prior notice.