

## CARBON DIOXIDE (CO<sub>2</sub>) TRANSMITTER FOR COLD SPACES

HDU and HDU-N transmitters are designed to detect carbon dioxide concentration and temperature inside the unheated spaces like parking halls.

The CO<sub>2</sub> sensor will become self-calibrated regularly by using patented ABCLogic<sup>TM</sup> method. Outputs, linear 0-10V signals related to CO<sub>2</sub>-concentration and temperature, can be used for demand controlled ventilation in buildings.

HDU-N is like HDU, but with a display. As a factory setting the display is scanning between temperature and  $CO_2$  every 2 seconds. By pressing the S1 button inside the desired display mode can be selected.

By changing the normal cover (and display) to the HDK-C option HDU (HDU-N) will become as a controller.

## ABCLogic<sup>™</sup> & Calibration

ABCLogic<sup>™</sup> is a patented self-calibration technique, that is designed to be used in applications where concentrations will drop to outside conditions (appr. 400 ppm) at least twice in a week period (= an unoccupied building). For applications that do not see periodic ambient conditions, ABCLogic<sup>™</sup> can be turned off, but a regular single point calibration of the sensor in 6 -12 months is necessary. Checking and calibration is recommended every 5<sup>th</sup> year even if ABCLogic<sup>™</sup> is on.



Products fullfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

## Produal Oy

Keltakalliontie 18 48770 Kotka FINLAND www.produal.com Tel: +358-5-230 9200 Fax: +358-5-230 9210 info@produal.fi