

## CO<sub>2</sub> and Temperature Transducer LX-CDTE-R-AP

The LX-CDTE-R-AP is an accurate carbon dioxide and temperature transducer for clean indoor environments. It enables the control of indoor air quality as well as room temperature.

### Details

The carbon dioxide and temperature transducer LX-CDTE-R-AP monitors carbon dioxide levels within a range of 0 – 2000 parts per million and temperature within a range of 0 - 50 °C. The measurements are output with standard 0-10Vdc signals.

LX-CDTE-R-AP features a patented self-calibration algorithm which makes the installation and maintenance of the device fast and simple.

### Order Code

LX-CDTE-R-AP

- Monitors CO<sub>2</sub> over range 0-2000 PPM and temperature over range 0-50 °C
- Patented self calibration algorithm
- 5 year calibration interval
- Powered by either AC or DC source with no change to circuit required
- Two analog output signals, linearized over full measurement range



### Technical Data

Output Signal (CO <sub>2</sub> ):	0 - 10 VDC
Output Signal (Temp):	0 - 10 VDC
Operating Voltage:	24VAC (15 - 28 V) / 0.5VA 24VDC (15 - 36 V) / 0.5W
Measured Range (CO <sub>2</sub> ):	0 - 2000 ppm
Measured Range (Temp):	0 - 50 °C
Standard Accuracy (CO <sub>2</sub> ):	±40 ppm + 3% of reading
Standard Accuracy (Temp):	±0.5 °C
Temperature Dependence:	0.2% FS per °C
Pressure Dependence:	0.17% of reading per 100Pa (0.13% per mm Hg)
Response Time:	< 1 min for 90% step change
Operating Conditions:	0 - 50 °C, 0 - 95% non-condensing
Size:	85mm (W) x 85mm (H) x 26mm (D)
Manufacturing Process:	ISO9001