CO₂ TRANSMITTER/CONTROLLER

FEATURES

- Gold plated, Non-Dispersive Infra-Red (NDIR) sensor
- Microprocessor based with display
- Used for measuring carbon dioxide (CO₂) in air conditioned spaces, car parks and green houses
- Wall mounting
- High accuracy
- Can be used as transmitter or controller

BENEFITS

- Long life, solid state sensing
- High reliability
- Fast response
- Low hysteresis
- Low offset and drift
- Good reproducibility

TECHNICAL DATA

Sensing element : NDIR Sensor
Sensing accuracy : ±3%, ±30ppm of reading
Display type : 8 character x 2 line, alphanumeric, dotmatrix, STN, LCD with backlight
Display resolution : 0.1% of the maximum value
Operating voltage : 24Vac
Output signal : 0-10V, 4-20mA
Terminals : Accept max. 2.5 sq. mm cable
Permissible ambient temp. : (-)20°C - 40°C
Protection : IP 30
MODEL DESIGNATION

Controller - C - Controller
Operating voltage - 24Vac, 1 phase, 50/60 Hz
Housing type - Predefined
Carbon dioxide - CO₂ - 0-2000ppm
Outputs - V - 0-10Vdc
I - 4-20mA
Special Features #
D - LCD display
R4 - RS485 communication.

NOTES:
# In case of more than one special feature the multiple features shall be specified in the same block i.e., D.R.4.

WIRING DIAGRAM

1  N  24Vac
2  L
3  0-10Vdc/4-20mA  Controller output
4  GND
5  0-10Vdc/4-20mA  Transmitter output
6  GND

Subject to technical alteration