

# DUCT TRANSMITTER RANGE (DTR) CO<sub>2</sub>, TEMP & RH (24V AC/DC)



## | OVERVIEW |

The Flamefast Transmitter range can be supplied with any combination of Carbon Dioxide (CO<sub>2</sub>), Temperature & Relative Humidity. With three 0-10V outputs, an on board relay and the ability to select between Analogue or Thermistor temperature output, our transmitter range is one of the most versatile units available.

This cost effective sensor range is ideal for any application, including natural and demand controlled ventilation systems.

## | KEY FEATURES |

- 24V AC/DC Power Supply
- Pluggable terminal block
- 3x 0-10V outputs
- Volt free contact output
- Typical 10+ year life expectancy
- Self-calibrating CO<sub>2</sub> sensor
- Flanged enclosure with hinged lid for ease of installation
- **UK MANUFACTURED**

## Dimensions

Height 152mm | Width 110mm | Depth 50mm | Probe Length 200mm

## Technical Specification

Power Supply	24V AC/DC ±10%
Power Consumption	50mA Max
Analogue Outputs	3x 0-10V
VFC Output	SPST - 100mA @ 24V Max
CO <sub>2</sub> Range	0 - 2,000 ppm
CO <sub>2</sub> Accuracy	±40 ppm +3% @ NTP
CO <sub>2</sub> Sensing Method	Non Dispersive Infra-red (NDIR)
CO <sub>2</sub> Typical Sensor Life	10+ Years
Temp Range	0 - 50°C
Temp Accuracy	±0.3°C @ 25°C
RH Range	0 - 100%
RH Accuracy	±2% @ 20 - 80%
Operating Conditions	Temp 0 - 50°C Humidity 0 - 95% (NC)
Sampling Method	Diffusion
Warm-up Time	30 seconds
IP Rating	IP66 (external to duct)
Housing Material	PC/ABS
Colour	Black/Clear
Approval	CE, UKCA

## Installer Selectable Options

The unit has two user selectable programmes to control the volt free contact set point depending on the application. These are as follows:

Programme	Ventilation	Gas Safety
Relay Position	Normally Open	Normally Closed
Relay Set Point	1,000 ppm	4,500 ppm

## Part Numbers & Options/Accessories

Part No	Description
DTR-CO <sub>2</sub>	Duct Transmitter - CO <sub>2</sub>
DTR-CO <sub>2</sub> TH	Duct Transmitter - CO <sub>2</sub> , Temp & RH
DTR-TH	Duct Transmitter - Temp & RH