

# D•CAN

## GAS OR OXYGEN DETECTORS WITH CAN BUS CO - NO<sub>2</sub> - LPG - CH<sub>4</sub> ...

Principes :

- Catalytic
- Electrochemical
- Connection: 4 wires
- Output signal: CAN bus



# DALEMANS®


G A S D E T E C T I O N

# D•CAN

All gas detection installations must be calibrated and maintained regularly in accordance with the manufacturer's instructions to guarantee safety and performance.



## CARACTERISTICS

MATERIAL	Flame retardant (UL 94 V-0) and UV stabilized plastic	
DIMENSIONS (HxWxD)	142 x 119 x 51 mm	
WEIGHT	300 g	
OUTPUT	Digital (CAN bus)	
 <b>MEASUREMENT PRINCIPLE</b>	<b>CATALYTIC</b>	<b>ELECTROCHEMICAL</b>
OPERATING VOLTAGE	10 - 30 Vdc	10 - 30 Vdc
CURRENT CONSUMPTION	1,2 W	0,5 W
OPERATING TEMPERATURE	-10 °C to +40 °C	-20 °C* to +40 °C
RESPONSE TIME (T90)*	< 30 s	< 45 s
ACCURACY	± 3 % Full Scale	± 1,5 % Full Scale
EXPECTED OPERATING LIFE	> 2 years	> 2 years
HUMIDITY & PRESSURE	10 to 90% RH (non-condensing) 90-110 kPa	
WIRING**	FTP Cat. 5E (4 x 2 x 0,5 mm twisted solid wires) / Silicone-free cable	
END LOOP RESISTANCE	124 ohms	
CABLE ENTRY	1 x M20	
HOUSING INGRESS PROTECTION	IP65	
STANDARDS	EN 50270 Type 1	

\* Although still functional, the sensitivity of the detector is lower when operating at temperatures below -10°C.

\*\* **PRECAUTIONS FOR USE:** Never connect the detector with a cable containing silicone in its composition or manufacture process. It could hinder or prevent full functionality of the detector. Please contact your supplier before installation.

## TARGET GASES

GAS	CATALYTIC	ELECTROCHEMICAL
CARBON MONOXIDE (CO)	-	0 - 300 ppm
NITROGEN DIOXIDE (NO <sub>2</sub> )	-	0 - 5 ppm / 0 - 30 ppm
METHANE (CH <sub>4</sub> )	0 - 100 % LEL	-
PROPANE (C <sub>3</sub> H <sub>8</sub> )	0 - 100 % LEL	-
BUTANE (C <sub>4</sub> H <sub>10</sub> )	0 - 100 % LEL	-
LPG	0 - 100 % LEL	-

Other gases and measurement ranges upon request.

The information contained in this documentation is non-contractual and subject to modifications.