



ALARM CONTROL UNIT FOR REFRIGERANT GASES

Up to 2 detector inputs
4 configurable relays per zone
Up to 4 alarm levels

Dynamic status monitoring
and maintenance
Modbus TCP over Ethernet



DALEMANS®
G A S D E T E C T I O N



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

CHARACTERISTICS

MANUFACTURER	Design and fabrication	DALEMANS SA
POWER SUPPLY	Mains	220-240 V (AC) ~ 50Hz
	Power	20 W max.
	Smart battery management	12 V (DC) auto-adaptatif - 500 mA max.
	Autonomy in sleep mode	4h with battery 2.3 Ah (indication)
ENCLOSURE	Material	Plastic ABS-PC UL94 V-0
	Dimensions (excluding PE)	265 x 230 x 125 mm
	Weight without battery	1,5 kg
	Protection Degree	IP65
	Reversibility	Rotation of 180°
	Location of backup battery	Standard format 2,3 Ah
	Standard mounting	4 screws or mounting lugs
	Optional mounting	Mounting on DIN rail
CONNECTION	Cable inlets	11 x M20 and 8 x M16
	Screwed terminals	1 x 2,5 mm ² or 2 x 1,5 mm ² per terminal
INPUTS	Detectors	2
	Type of detector	Current loop detectors 4..20mA from the Dalemans product range
	Wiring length	500 m (cable section 0.75 mm ²)
	Self-powered external alarm input 24V (DC)	1
OUTPUTS	Alarms: Addressable changeover relays max. 230V / 3A	4
	Fault: changeover relay max. 230V / 3A	1
	Transistor alarm	24 V (DC) - 200 mA max.
	Digital communication	Modbus TCP over Ethernet
INTERFACE	Display	LCD backlighting of a variable colour
	Voltage indicator	Green LED
	Battery indicator	Green LED
	Inhibition indicator	Yellow LED
	Technical fault indicator	Yellow LED
	Navigation and configuration	Using a membrane keypad
MAIN FUNCTIONS	Configurable alarm levels	Up to 4 per gas type
	Access protection using password	YES
	Maintenance alert	YES
	Display of events and statuses	YES
	Customisable detector locations	YES
	Test and inhibition functions	YES
OPERATING CONDITIONS	Temperature	-10°C to +40°C
	Humidity & Pressure	10 à 90% RH (non-condensing) 90-110 kPa
	Altitude	2000 m max.
CERTIFICATIONS	Electromagnetic compatibility (EMC)	EN 50270 (type 1)
	Low-voltage safety	EN 61010-1
	Marking	CE, RoHS

The information contained in this document is non-contractual and subject to change