

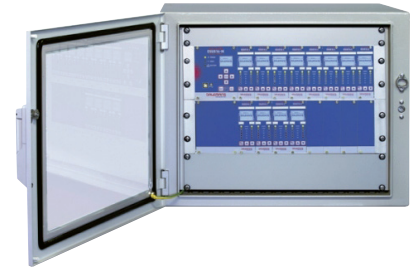
MODEL DSU816: ALARM AND MEASUREMENT UNIT FOR EXPLOSIVE AND TOXIC GASES



The DSU816 is a unit made up of a general module (DSU816-M) capable of managing up to 8 19" racks that are interconnectable. Each rack can contain up to 8 autonomous measurement modules (DSU816-Z), each fitted with two inputs. This amounts to a connectivity that can go up to 128 toxic gas and/or explosive gas detectors for a single general module.

The unit was designed to provide intuitive use for the end user.

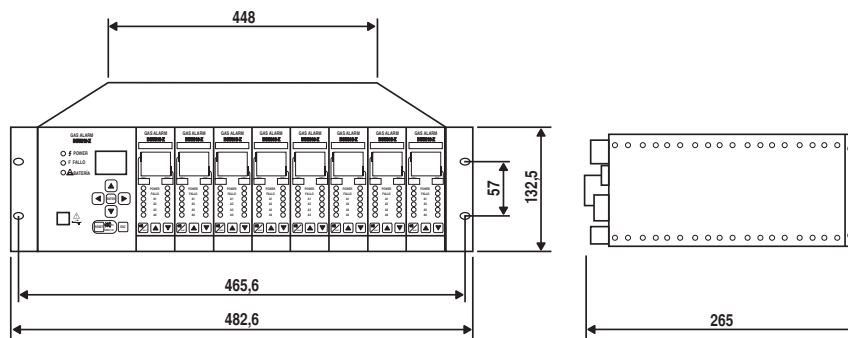
By connecting it to one or more Dalemans detectors, you will benefit from a very high performance installation and one which is especially well adapted to applications in the industrial sector.



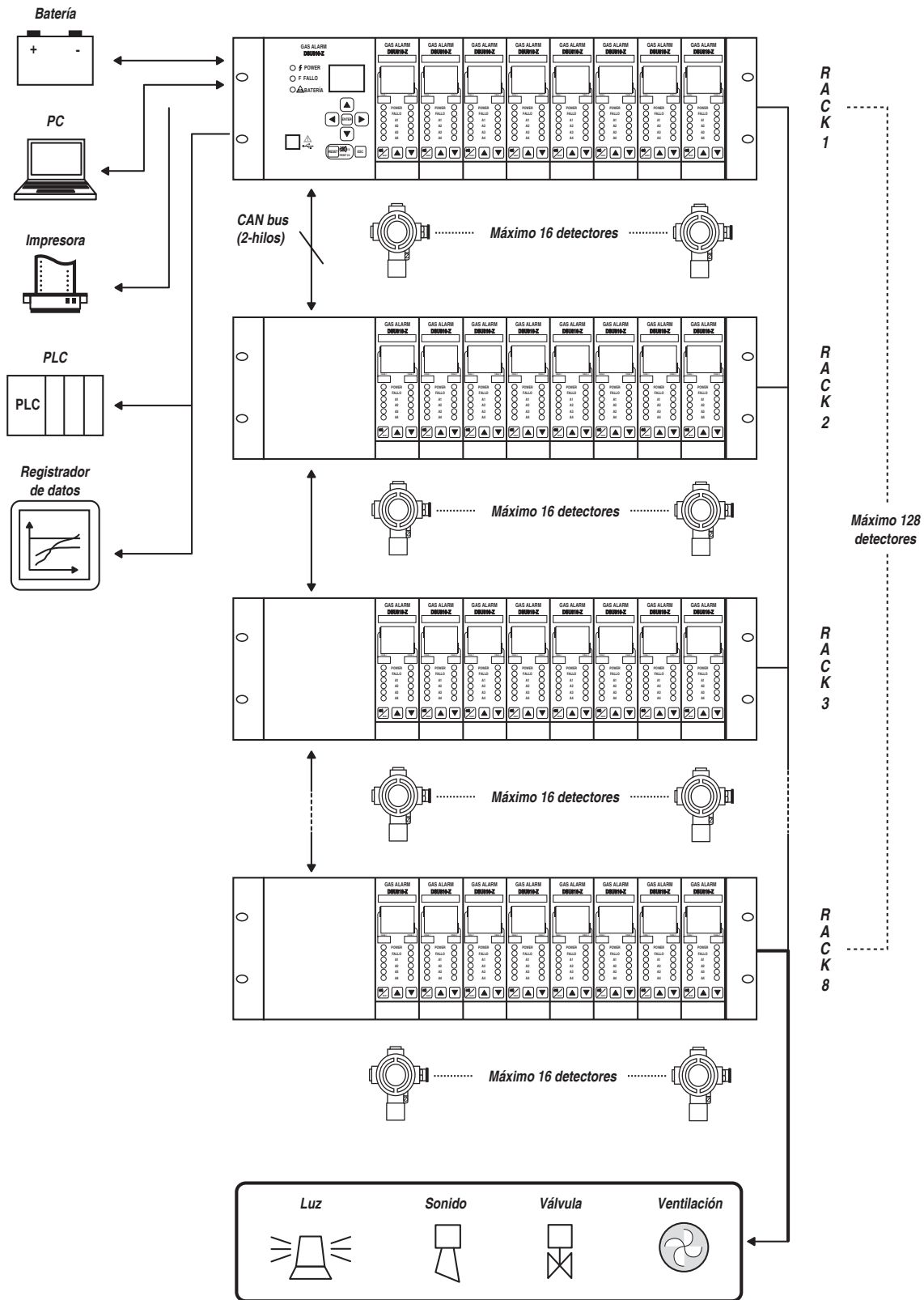
Technical specifications

MODEL		DSU816	MODEL		DSU816	
MATERIAL		Aluminium	PANEL INDICATION	ALARMS	4 red LEDs per channel	
MOUNTING		Rack de 19"		FAULTS		1 yellow LED per channel
DIMENSIONS		482,6 x 132,5 x 265 mm				1 yellow LED for battery fault (general module)
INPUTS		2 channels per measurement module Máx. 16 channels per rack Máx. 128 channels (8 racks)	SETTINGS AND INDICATIONS		Via control panel by PC (USB)	
INPUTS	mV BRIDGE	Wheatstone bridge (10 - 300 mV)	POWER SUPPLY	AC	110/230 VAC ±20 % 50-60 Hz	
	4-20 mA LOOP	2-wire self-powered loop ("Low Side")		DC	19 - 29 VDC	
		2-wire loop with external power supply	BACK-UP BATTERY		2,3 a 78 Ah (charging current - 1 A max.)	
		OTHERS		3 or 4-wire loop powered by the DSU816 (12/24 VDC)	CONSUMPTION*	
			2-wire smoke/fire detector			Máx. 15 W for 1 general module
ALARM LEVELS		Max. 4 alarm levels per channel	APPROVALS		EN 50270 - 2006	
OUTPUTS	GENERAL MODULE	3 relays (general fault, horn and battery fault)			EN 61010:2010	
		MODBUS / J-Bus, local printer	OPERATING TEMPERATURE RANGE		-10°C to +50°C	
	MEASUREMENT MODULE	4 relays per module	HUMIDITY		10 a 90 % RH, non-condensing	
RELAYS		Max. 230 V - 3A / Fail Safe	FIELD OF APPLICATION		Industry	
DISPLAY		1 LCD back-lit display per module	*The consumption depends upon the number of modules and the type of detectors installed.			

Dimensions (mm)



General layout of a DSU816 system



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