DATA SHEET

DOCUMENT NUMBER; SHH-GRO-ENG-DTS-005 REV 1.2

WELDING CONTROL MODULE (WCM)

DESCRIPTION

The welding control module allows the automatic shutdown of all hot work tools within the habitat in the event of an alarm. These alarm conditions include lower explosive limit (LEL) and toxic gas detection, pressure loss and wider area detection. The welding control module has two emergency shutdown buttons, allowing the habitat integrity monitor or close firewatcher to stop all hot work activity immediately. When this welding control module is used in conjunction with the pressure differential module, hot work supplies are automatically shut down when pressure is lost or the system is alarmed.

EQUIPMENT MARKS

MARK	PRODUCT CODE	63A WELDER SOCKETS	VOLTAGE OUTLET	EMERGENCY SHUTDOWN BUTTON	SOLENOID VALVES	CONNECTION TO PDM	OPTIONAL DNV FRAME & SLINGS
3	EL-MN-WCM-03	Two	2x 110V AND 2x 240V	Two	Two	✓	✓
4	EL-MN-WCM-04	Two	2x 110V OR 2x 240V	Two	Two	✓	✓

KEY FEATURES

SOLENOID VALVES

AUTOMATIC SHUTDOWN (GAS SENSING MODULE AND PRESSURE DIFFERENTIAL MODULE REQUIRED)

MANUAL EMERGENCY SHUTDOWN

DNV SLING AND FRAME (OPTIONAL)

COMPATIBLE EQUIPMENT

GSM – GAS SENSING MODULE

PDM – PRESSURE DIFFERENTIAL MODULE MSM –

MULTI SENSING MODULE

RGS – REMOTE GAS SENSOR

TECHNICAL SPECIFICATION

CERTIFICATION & MARKING	Baseefa11ATEX0172X Ex II 2G Ex d e ia m IIB T4 Gb (T_{amb} -20°C to +50°C) IECEx PRE 19.0039X Ex 60079-46 IIB T4 Gb (Tamb -20°C to +50°C)	
OPERATING TEMPERATURE	**-20°C to +50°C**	
DIMENSIONS (L X W X H) ^	85cm x 75cm x 145cm - exc DNV frame 120cm x 100cm x 170cm - inc DNV frame	
WEIGHT ^	145kg – exc DNV frame 380kg – inc DNV frame	
INPUT VOLTAGE	380 – 415 VAC (3 P+E) 50-60Hz	88-264 VAC 50-60Hz
INPUT CURRENT	63A Max	16A Max
MAXIMUM OUTPUT*	28A 18kW	15A 1.65kW
POWER PLUG TOP OPTIONS	CEAG	
POWER CONSUMPTION	Negligible	

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