

PRESSURE DIFFERENTIAL MODULE (PDM)

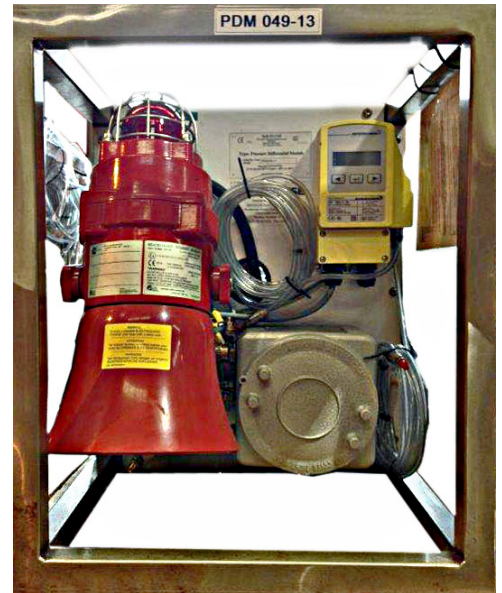
PRODUCT CODES

EL-MN-PDM-01 – MK 1 – STANDALONE UNIT
EL-MN-PDM-02 – MK 2 – CONNECTION TO WCM

DESCRIPTION

The pressure differential module (PDM) is intended for use with the SAFEHOUSE habitat system, where the differential pressure between the inside and outside of the enclosure needs to be monitored. It is essential that an over-pressure is maintained within the habitat enclosure to prevent ingress of any air from the surroundings which may contain gas hazards. If the pressure inside the enclosure drops below an acceptable level, the alarm will be activated and hot-work will be shutdown (if connected to welding control module).

The PDM is certified for use in zones 1 and 2 in accordance with the markings and ATEX label mounted on the unit.



KEY FEATURES

- AUDIO VISUAL ALARM TO ALERT THE WORK PARTY
- SHUTDOWN OF HOT WORK DUE TO ALARM CONDITION WHEN CONNECTED TO WCM

COMPATIBLE EQUIPMENT

- WCM – WELDING CONTROL MODULE (MK 2)

TECHNICAL SPECIFICATION

CERTIFICATION	ATEX Cert: Baseefa11ATEX0172X Ex II 2G Ex de ia m IIB T4 (T _{amb} -20°C to +50°C)
OPERATING TEMPERATURE	-20°C to +50°C
DIMENSIONS (L X W X H) ^	40cm x 38cm x 47cm
WEIGHT ^	20kg
INPUT VOLTAGE	88 - 264 VAC 50-60Hz
INPUT CURRENT	3A max (16A plug)
POWER PLUG TOP OPTIONS	CEAG STAHL APPLETON ATX Others available on request
POWER CONSUMPTION	25W max
DETECTION RANGE	0-100Pa
ALARM LEVEL*	25Pa

* Other alarm levels upon request ^ Typical values may vary