

# MONITORING UNIT MPU6C (SAMON: 20-305)

Product group: **607** Product number: **708027**

The MPU6C are central units with six channels (detectors). They offer an ideal solution for multi-point surveillance of small/medium-sized rooms where refrigerant leaks may happen. The microprocessor-controlled unit displays operating status and alarm information independently for each channel via (LEDs). They are suitable for monitoring all HFC & HFO refrigerants.



The connected detector continuously measures the gas concentration and provides an analogue signal to the central unit. Alarms are indicated in three levels by a yellow and two red LEDs that indicate low (Alarm C), medium (Alarm B) and high (Alarm A) gas concentration, the respective LED lights up and the corresponding relay switches. If the alarm delay selected flashes each LED in the selected delay time, then the LED turns to steady and the relay contact switches.

## Product information

### Connectable Detectors

Detectors are available for different gases and different ranges.

MP-Series is specifically designed for MPU.

Transmitters with 0...10V or 4...20mA output.

It's only allowed to connect detectors with a total power consumption of 10W at the MPU. Overload can damage the unit.

Optional:

Input for external battery back-up (UPS).

Can be ordered with custom pre-set alarm levels for the specific gas type.

### Features

- Microprocessor controlled unit for two, four and six detectors
- LED operation indicator per individual channel
- Three adjustable alarm thresholds for each individual channel
- Alarm delay, selectable in four steps
- Relay outputs for A, B, C and fault alarm, 230V / 5A
- Manual or automatic alarm reset
- Test terminal for service tools
- Service mode for temporary blocking of alarm
- Built-in self-test feature
- Built-in buzzer
- Fail-safe function with built-in monitoring and power failure alarm
- 24VDC / 150mA output for siren or flashing light

### Benefits

**Safety of crew members** - round the clock monitoring and alarm. Alerts ship crew in case of emergency. **Cost-saving** - Minimise refrigerant loss and reduce operating costs. **Time-saving** - Product and spares can be delivered together with other marine products from WSS. **Regulatory compliance** - Complies with major regulatory bodies such as F-gas Regulation, EPA, Marpol Annex VI, LR ECO Class notation and ABS ES Notation. **Environmentally Friendly** - Enables early detection and minimise the release of harmful GHGs into the atmosphere.

## Specification

### General

Invent Hazard Material (IMO/EL) classification	NA
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## Documents

[Instruction Manual](#)

[SDoC and MD for IHM](#)

## Related products

Is spare to

**708051**

REFRIGERANT LEAK MONITOR KIT 6CH (SAMON MPU & MP-DS IP54)

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