

## Alarm Monitor **AI 8000**



Actual Size = 126 x 116 x 21mm

### Monitor up to 32 alarms from one location.

The **AL-8000** alarm monitor provides an intelligent networked solution for the monitoring up to 32 different alarms. The diagram (right) shows a typical system layout. The system consists of the AL-8000 display controller (as seen above), up to four AL-100 units and one (optional) repeater display. Communication to these is via a 2-wire network cable with a maximum cable length of 1000 meters.

**AL-8000 DISPLAY CONTROLLER:** Is the master display unit.

- Visual & audible alarm for any fault condition.
- 4 x overrides (engine running overrides for engine alarms).
- 8 inputs have programmable delays (5 seconds to 10 minutes).
- All alarms tone programmable (with tone or without tone or repeating tone).
- Alarms are name programmable e.g. (High Bilge) (Engine Room Fire) (Oil Pressure) (Water in Fuel).

**AL-100:** Input module.

- Eight inputs.
- Each input can be set for normally open & closing to +vdc on fault
  - 2k2 line resistor for supervised line
  - normally open & closing ground on fault
  - normally ground & opening on fault
- One relay output = 3 amp inductive: closes on any fault.

**RD-800:**

The RD-800 Repeater Display is an optional extra and may be connected anywhere on the vessel for convenient monitoring.

Supply Voltage: 12 ~ 32 Volts DC (Auto sensing) | Quiescent Current: 26 Milliamps (with backlight off)  
Reverse polarity protected | Network cable length = 1000m | Voltage & EMI Protected  
Programmed Data Retention: 50 years (without power) | Backlight



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### SYSTEM OVERVIEW

The AL-8000 Alarm Monitor has been developed to allow monitoring of up to 32 different inputs. It is a network system consisting of the AL-8000 Master Display Unit and up to four AL-100 Input Units located anywhere on the vessel.

In addition and as an option, the RA-800 Remote Display Unit may be added to provide fault status anywhere on the vessel.

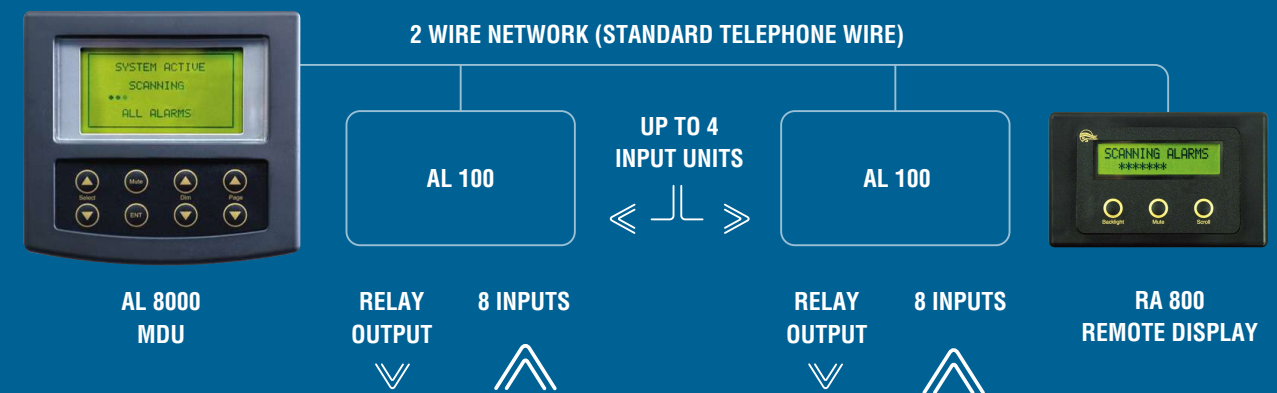
All devices are interconnected by a 2-wire network cable similar to that used for telephone installations.

The Master Display Unit (MDU) controls communication with all attached Input Units.

System components may be located anywhere on the network cable and the cable may be up to 1000 meters in length.

**These features are unique to the AL-8000 and provide maximum flexibility to locate components onboard the vessel while minimising wiring costs.**

Builders and retrofitters can now offer reasonably priced systems, while providing boat owners with outstanding visibility into conditions in their bilge areas, allowing a variety of control options under both normal and off-normal conditions.



#### ORDER INFORMATION

PART NUMBER:	PRODUCT DESCRIPTION:
4720093 AL-8000	EIGHT-CHANNEL ALARM CONTROLLER
4720095 AL-100	ALARM INPUT CONTROL MODULE
4720096 RA-800	REMOTE DISPLAY

\*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.