



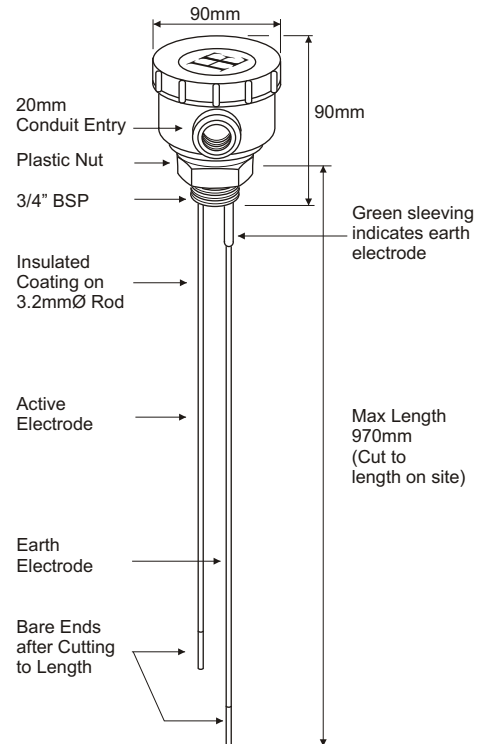
# HAWKER

## LEVEL CONTROL SYSTEMS

# ALARUM

## HIGH LEVEL ALARM for Conducting Liquids

- Low powered consumption, suitable for battery or solar powered application.
- Self contained and simple to install.
- Wide selection of electrode materials, and mounting accessories available.
- Insertion length upto 1 metre.
- Safe, low voltage supply to the electrodes.
- Earth return electrode for use in both insulated and non insulated vessels.
- Output S.P.C.O. volt free relay contacts rated 0.5A @ 30V DC.
- Available supply voltage 12V or 24V DC.



### PRINCIPLE OF OPERATION

The electrodes under normal circumstance are uncovered, the relay is energised (failsafe). When a rising liquid bridges the electrodes the relay will de-energise.

### SPECIFICATION

<b>Supply Voltage:</b>	12V $\pm$ 10% factory set or 24V $\pm$ 10% factory set
<b>Earthing:</b>	Negative earth system if more than 1 unit in a tank, maintain the same earth electrodes on each Alarum.
<b>Power Consumption:</b>	0.2 Watts
<b>Inter-electrode Voltage:</b>	2.5V AC
<b>Sensitivity:</b>	Fixed 10.000 ohms (others to order)
<b>Output:</b>	S.P.C.O. volt free relay contacts rated 0.5A @ 30V DC.
<b>Ambient Temperature:</b>	-10°C to +60°C

**Housing:** Polypropylene, IP66 rated.  
Containing PCB

**Process Connection:** 3/4" BSP

**Electrical Connection:** Via screw terminals 4mm

**Electrodes:**

Materials	Max Length
316 SS	970mm
Titanium	970mm
Hastelloy C	880mm

These can be cut to any required length

Because of continuing development we reserve the right to change the specifications without notice.  
For a full list of HAWKER products and application notes visit our web site at [www.hawker-electronics.co.uk](http://www.hawker-electronics.co.uk)

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