Custom programming and packaging can be provided to fit most monitoring tasks.

The LD-215 LN2 level detector/alarm uses a cryogenic RTD to sense the level of liquid nitrogen by monitoring the temperature change at the liquid-gas boundary. The unit can be configured for either low-level or high-level detection.

For low-level detection, the tip of the probe should be placed ¼” above the lowest desired liquid level. When the liquid drops to this level, the alarm will sound and the relay output will change state. An optional time period can be specified to delay the activation of the beeper and relay.

For over-flow detection applications, the tip of the probe should be just submerged at the highest desired liquid level. In this configuration, the alarm condition occurs when the liquid rises enough to submerge the tip of the probe.

The relay output is SPDT (Form C) which includes both normally open and normally closed dry contacts. The contacts are isolated and can be used to control a resistive load up to 1 Ampere.

FEATURING:

- User programmable alarm delay and mute periods
- Audio and visual alarms
- Rechargeable battery back-up
- Tool-less spring loaded connectors
- Includes SPDT relay output
- Low or high liquid level detection
### Power Requirements:
6-12VDC, 300mA max
Includes 120-120VAC, U.S. 2-prong, UL Listed power supply with 10’ cord

### Battery Back-Up:
Includes 2 each NiMH AA rechargeable batteries and built-in trickle charger

### Mechanical:
Case is black ABS, 2.75”w x 5.5”h x 1.1” d
Velcro mount included
Optional wall mount bracket

### Sensor:
Cryo 100 ohm RTD attached to 10’ PTFE jacketed wire with s.s. sheath
Length of s.s. sheath is customizable from 2”-24”

### Output:
SPDT relay - UL Rated Load:
1 Amp @ 30VDC or 0.5A @ 125VAC

### Relay Contact Ratings (Resistive Load):
Max. switched power: 30 W (DC) or 62.5 VA (AC)
Max. switched current: 1 Amp
Max. switched voltage: 220VDC or 250VAC
Max. carry current: 2 Amp

### RoHS Compliant • Made In U.S.A.