

## DET Series Power Adapter

DET1A

### Description

The DET1A is a power adapter for our DET series detectors. The DET1A will directly replace the A23 battery, cap, and spring to allow the detector to run directly from our LDS2 power supply. The use of other bench top supplies is possible when a 2.5 mm plug and 7 V minimum output are used.

The housing includes a M12 thread for connection to the DET series detectors. A spring loaded ball insures good electrical connection to the detector circuit.



### Instructions

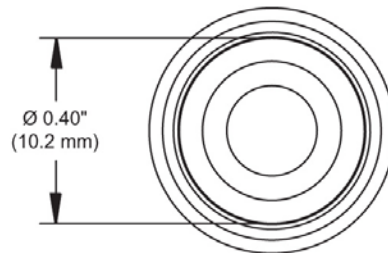
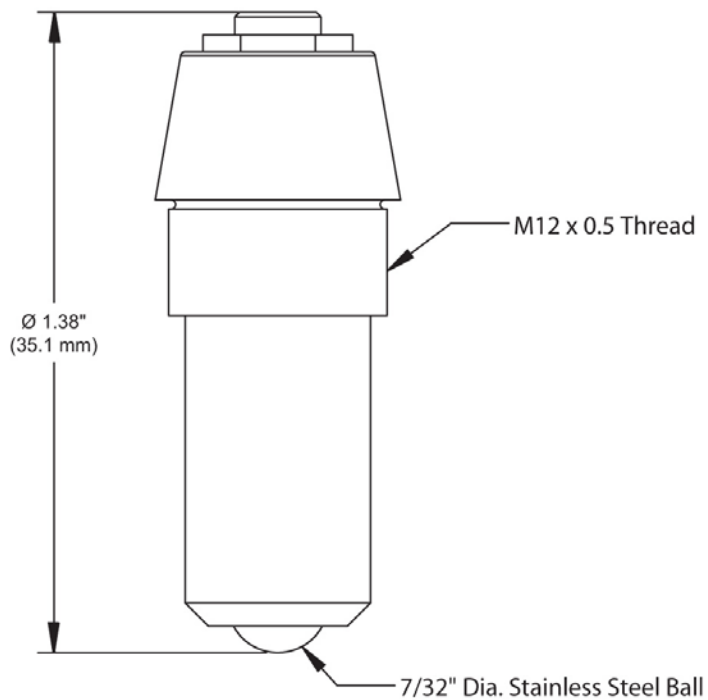
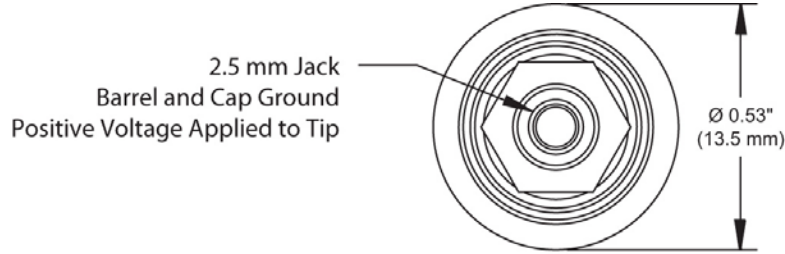
1. Remove the battery and battery cap with spring from the detector that will be powered with the DET1A.
2. Thread the DET1A all the way into the detector housing.
3. Plug the LDS2 into the jack. A user supplied power supply can be used. The 2.5 mm plug with the voltage at the tip positive and the barrel ground. The voltage must be between 7 and 12 V.
4. Follow the detector instructions for setup and use.

### Specifications

| Specification                | Value                             |
|------------------------------|-----------------------------------|
| Dimensions                   | 1.38" x 0.53"<br>(35.1 x 13.5 mm) |
| Operating Temperature        | 10 to 50 °C                       |
| Storage Temperature          | -25 to 70 °C                      |
| Minimum Voltage <sup>1</sup> | 7 V                               |
| Maximum Voltage              | 12 V                              |
| Power Connector              | 2.5 mm Phono Jack                 |
| Weight                       | 0.02lbs (9 gm)                    |

1) The minimum voltage is required because some DET series detectors use an internal voltage regulator to supply the bias voltage to the photodiode.

## Drawings



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