

## DET Series Power Adapter

DET2A



### Description

The DET2A is a power adapter for our DET series detectors. The DET2A will directly replace the A23 battery and spring-loaded cap to allow the detector to run directly from our LDS12B power supply. The housing includes a M12 thread for connection to the DET series detectors. A spring-loaded pin ensures a good electrical connection to the detector circuit.

### Instructions

1. Remove the battery and battery cap from the detector that will be powered with the DET2A.
2. Thread the DET2A all the way into the detector housing.
3. Plug the LDS12B into the power adapter.
4. Follow the detector instructions for setup and use.

### Specifications

Specification	Value
Operating Temperature	10 to 50 °C
Storage Temperature	-25 to 70 °C
Minimum Voltage <sup>a</sup>	7 V
Maximum Voltage	12 V
Mating Power Connector	LUMBERG RSMV3 - MALE
Weight	0.032 lbs (14.5 g)

## Safety Information

**General:** All statements regarding safe operation and technical data in the instruction manual will only apply when the unit is operated correctly. A copy of the full product manual can be accessed online at the website shown above.

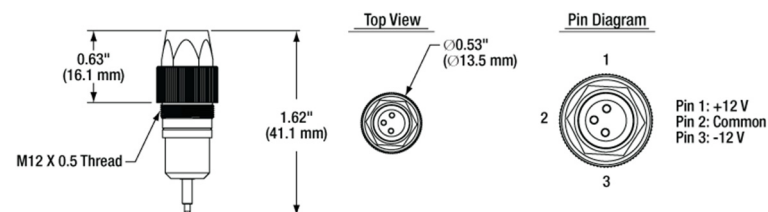
**Before Applying Power:** Before connecting the power supply to the main, make sure that the line voltage range marked on the power supply agrees with your local supply. The minimum voltage is required because some DET series detectors use an internal voltage regulator to supply the bias voltage to the photodiode.

**Covers and Service:** Do not remove covers! Refer servicing qualified personnel.

**Explosive Environments:** Do NOT operate this device in explosive environments.

**Connectors:** Make sure to connect the connector to the DUT before turning on the unit to avoid shorting issue and possibly damaging the LDS12B and DUT. If using the PDA-C-72 make sure the voltages and pinout matches those of the LDS12B when attaching the cable to the load.

## Drawing



**Note:** Thorlabs' green efforts are aimed at reducing waste and preserving our planet's natural resources. To that end, we have created a webpage so that you can digitally read, download, and save a copy of the full product manual and/or other documentation for any item on our website ([www.thorlabs.com/manuals](http://www.thorlabs.com/manuals)).



## DET Series Power Adapter

DET2A



### Description

The DET2A is a power adapter for our DET series detectors. The DET2A will directly replace the A23 battery and spring-loaded cap to allow the detector to run directly from our LDS12B power supply. The housing includes a M12 thread for connection to the DET series detectors. A spring-loaded pin ensures a good electrical connection to the detector circuit.

### Instructions

1. Remove the battery and battery cap from the detector that will be powered with the DET2A.
2. Thread the DET2A all the way into the detector housing.
3. Plug the LDS12B into the power adapter.
4. Follow the detector instructions for setup and use.

### Specifications

Specification	Value
Operating Temperature	10 to 50 °C
Storage Temperature	-25 to 70 °C
Minimum Voltage <sup>a</sup>	7 V
Maximum Voltage	12 V
Mating Power Connector	LUMBERG RSMV3 - MALE
Weight	0.032 lbs (14.5 g)

## Safety Information

**General:** All statements regarding safe operation and technical data in the instruction manual will only apply when the unit is operated correctly. A copy of the full product manual can be accessed online at the website shown above.

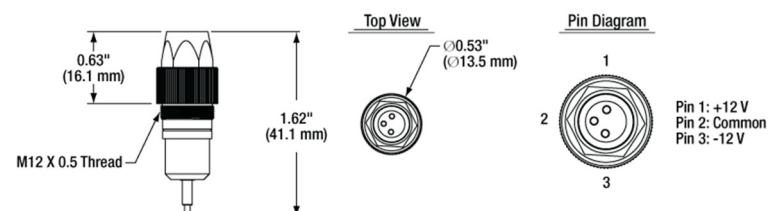
**Before Applying Power:** Before connecting the power supply to the main, make sure that the line voltage range marked on the power supply agrees with your local supply. The minimum voltage is required because some DET series detectors use an internal voltage regulator to supply the bias voltage to the photodiode.

**Covers and Service:** Do not remove covers! Refer servicing qualified personnel.

**Explosive Environments:** Do NOT operate this device in explosive environments.

**Connectors:** Make sure to connect the connector to the DUT before turning on the unit to avoid shorting issue and possibly damaging the LDS12B and DUT. If using the PDA-C-72 make sure the voltages and pinout matches those of the LDS12B when attaching the cable to the load.

## Drawing



**Note:** Thorlabs' green efforts are aimed at reducing waste and preserving our planet's natural resources. To that end, we have created a webpage so that you can digitally read, download, and save a copy of the full product manual and/or other documentation for any item on our website ([www.thorlabs.com/manuals](http://www.thorlabs.com/manuals)).

