



# MUNCIE SPD-2000

## SYSTEM PROTECTION DEVICE

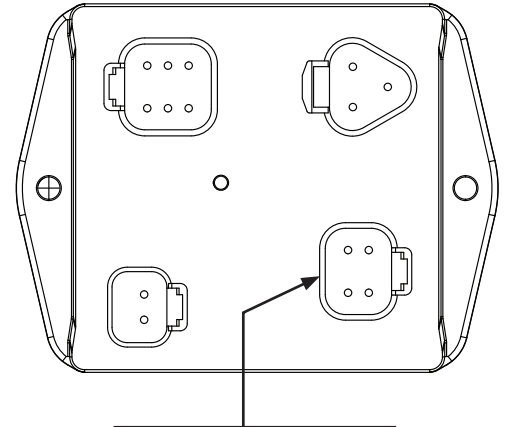
## Programming Instructions

### Required Components

- SPD-2000 Module
- P/N: 34T44010 – PC Programming Harness
- SPD-2000 Windows application  
(Windows 7 OS or newer)

### Setup/Installation

- Download and install the SPD2 programming application from Muncie Power's website:  
<https://www.munciepower.com/spd-2000>
- Locate the programming harness and plug the USB port to the computer. Connect the 4-pin connector to the SPD-2000 module.

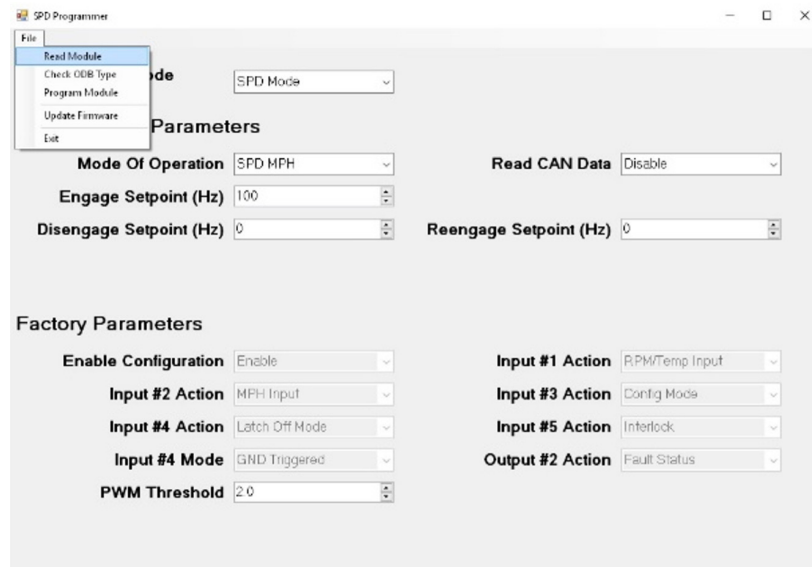
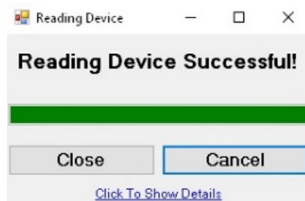


PC Interface Port	
Pin	Function
1	3.3 V RX
2	3.3 V TX
3	+5 V
4	Ground

### Reading Module

Pending the module has been previously programmed, settings can be imported into the application using the steps below:

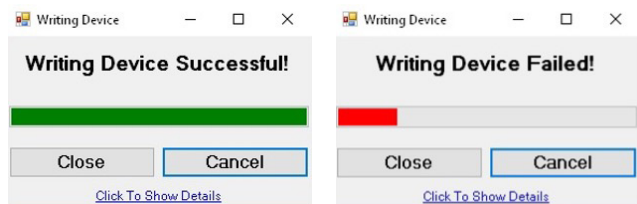
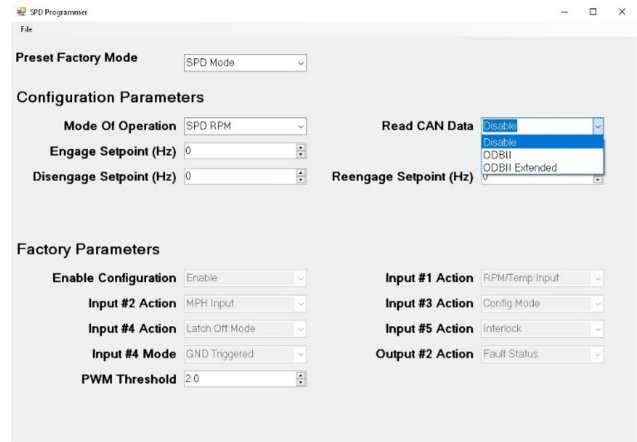
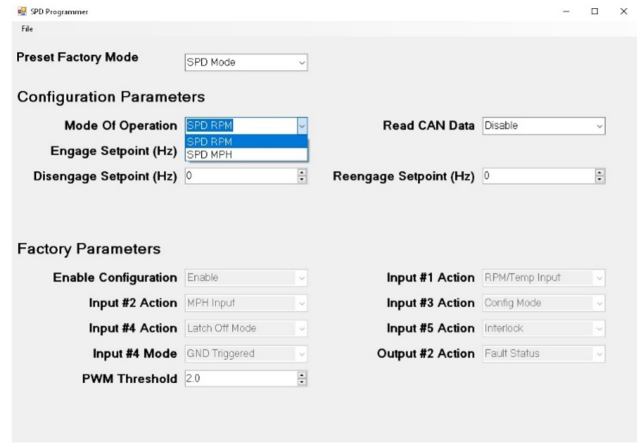
- Launch SPD-2000 programming application
- Click on **File** -> select **Read Module**.
- A status window will indicate if the settings have been successfully imported.



## Programming Module – Module connected to chassis via SEIC, Allison TCM, or Tail Shaft Sensor.

Using the following steps, the module can be programmed from a computer. This can be done after reading settings from a manually programmed module or to program a module to be used with OBD II inputs.

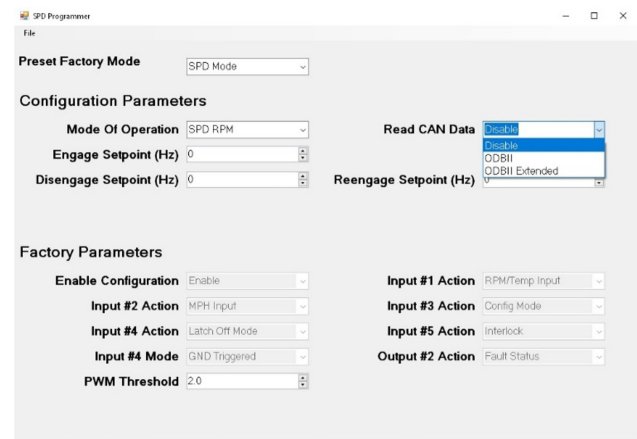
- A. Launch SPD-2000 application
- B. Locate **Preset Factory Mode** field, select **SPD Mode**.
- C. Locate **Mode of Operations Field**, select **SPD RPM** or **SPD MPH** depending on the desired input.
  - o For RPM mode set the **Engage** and **Disengage Setpoints** (Note that these values do not correspond to the actual engine RPM of the vehicle, but the signal frequency output from the chassis).
  - o For MPH mode set the **Disengage** and **Reengage Setpoints** (Note that these values do not correspond to the MPH of the vehicle but the signal frequency output from the chassis at the desired MPH).
- D. To program, select **File** -> select **Program Module**
- E. A status window will indicate progress and if the module was successfully programmed.



## Programming Module – Module connected to chassis via OBD II port

This feature is setup during the **Programming Module** process.

- Select the style of **OBD II** by selecting **OBD II** or **OBD II Extended** in the **Read CAN Data Menu** (Contact chassis manufacture for details on which mode is used on their vehicles).
- For **RPM Mode** set the **Engage** and **Disengage Setpoints** at the desired RPM (These values are sent directly by the chassis OBD II and will be the actual RPM not a frequency).
- For **MPH Mode** set the **Disengage** and **Reengage** at the desired MPH (These values are sent directly by the chassis OBD II and will be the actual MPH not a frequency).



A Member of the Interpump Group

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