



nJoy SSVV-10H211M-MI01B Soft Start Stop Module User Manual

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nJoy SSVV-10H211M-MI01B Soft Start Stop Module

**Product Name:**

SSVV-10H211M-MI01B, SSVV-20H211M-MI01B

Before using this product, carefully read all product documentation and retain it for future reference. Thank you for purchasing our products! nJoy is a brand of power and backup protection products that create solutions for multiple levels of environmental complexity, from residential to industrial.

Product Information**Package Contents**

1. Soft Start-Stop Module
2. User Manual

Product Overview

The Soft Start Stop Module is designed to control the starting and stopping of electrical motors. It has the following features:

- Input terminals (220V a.c. single phase)
- Output terminals (variable a.c. voltage, single phase)
- The control switch (start/stop)
- Ramping time adjustment (0s to 30s)
- Starting voltage adjustment (55V to 110V)
- Fan (for 2kW module only)
- Maximum Power: 2kW

General Specifications

- **Nominal Voltage:** 230 VAC
- **Minimum Voltage:** 55V

- **Ramping Time:** 0s to 30s

Important Safety Warnings

To prevent the risk of fire or electric shock, install the device in a temperature and humidity-controlled indoor area free of conductive contaminants. (See the specifications in the product's datasheet for the acceptable temperature and humidity range.)

Product Installation

This soft start module is designed for indoor use only. Before installation, please inspect the unit. Be sure that nothing inside the package is damaged.

Step 1

Remove the plastic protective cover and unscrew the output terminals. Connect the electrical engine to the output terminals and tighten the position of the screw.

Step 2

Make sure the power cord is not plugged in and connected to the input terminals. Connect the FAN wires to input terminals, if the 2kW module is installed. Tighten the screws and put back the plastic protection cover.

Step 3

Make sure that the switch control (3) has the jumper connected and Plug in the power cord to the grid socket to soft start.

Product Operation

Please refer to the user manual for detailed instructions on how to operate the Soft Start Stop Module.

Thank you for purchasing our products!

Please read this manual before using the product.

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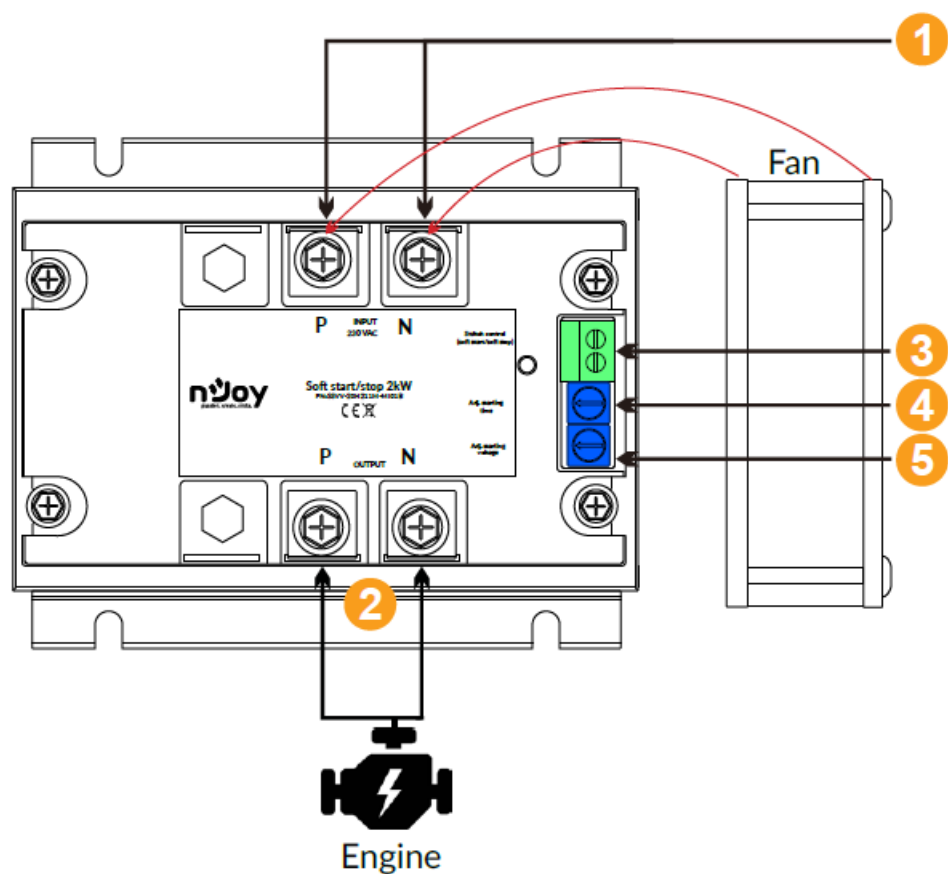
Soft start/stop interfaces are required whenever an electrical engine is powered through a rather sensitive device. Especially when starting an electrical engine by applying a nominal voltage to its terminals, a huge current spike appears in the circuit. If, for example, the above-mentioned engine is powered from a UPS or AVR, this sudden current spike can easily trigger the overload protection in the UPS/AVR, which halts the UPS into error state and shuts down the electrical power. Even if the engine is powered directly from the power socket, this spike can cause the electrical fuse to go off. To avoid this risk, the soft start module interface powers the engine gradually, starting from a much lower voltage and increasing gradually to the nominal voltage in a user-defined period of time. The area of usability is very large, from any domestic appliances that use electrical engines (central heating unit, etc.) to water pumps, wood gathers, etc.

Package Contents

- Soft Start module
- Heatsink – *only for 2KW version
- Fan – *only for 2KW version

Product Overview

Top View



- 1. Input terminals (220V a.c. single phase)
- 2. Output terminals (variable a.c. voltage, single phase)
- 3. The control switch (start/stop)
- 4. Ramping time adjustment (0s to 30s)
- 5. Starting voltage adjustment (55V to 110V)

Specifications

Product Name	Soft Start_Stop Module
Nominal Voltage:	single-phase 220V a.c.
Maximum Power:	1000W for 1kW module 2000W for 2kW module
Minimum Voltage:	55V – 110V a.c. (adjustable)
Ramping Time:	0s – 30s (adjustable)

Important Safety Warnings

To prevent the risk of fire or electric shock, install the device in a temperature and humidity-controlled indoor area free of conductive contaminants. (See the specifications in the product’s datasheet for the acceptable temperature and humidity range.)

Installation

This soft start module is designed for indoor use only. Before installation, please inspect the unit. Be sure that nothing inside the package is damaged.

- **Step 1.**

Remove the plastic protective cover and unscrew the output terminals. Connect the electrical engine to the output terminals and tighten the position of the screw.

- **Step 2.**

Make sure the power cord is not plugged in and connected to the input terminals.

Note! Connect the FAN wires to input terminals, if the 2kW module is installed. Tighten the screws and put back the plastic protection cover.

- **Step 3.**

Make sure that the switch control (3) has the jumper connected and Plug in the power cord to the grid socket to soft start.

Operation


- **Switch control (3):** Close (jumper connected) – soft start. Open (jumper removed) – soft stop. With the jumper always connected, only soft-start is available by directly controlling the input power switch on/off.
 - **Remarks:** For safety and easy operation, instead of the jumper it is recommended to install a power switch.
- Adjustable starting voltage (5) – set the starting output voltage that is delivered upon powering the device or closing the ‘switch’ terminals.
- Adjustable ramping time (4) – set the time at which the output voltage increases from the starting voltage to the rated voltage (220V a.c.).

Disposal of Old Electrical & Electronic Equipment

(Applicable in the European Union and other European countries with separate collection systems)

- This symbol on the product or on its packaging indicates that this product shall not be treated as household waste.
- Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.
- By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.
- The recycling of materials will help to conserve natural resources.

Documents / Resources

	<p>nJoy SSVV-10H211M-MI01B Soft Start Stop Module [pdf] User Manual SSVV-10H211M-MI01B Soft Start Stop Module, SSVV-10H211M-MI01B, Soft Start Stop Modul e, Start Stop Module, Stop Module</p>
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