



SENS-O-MATIC II™

Hopper Switch

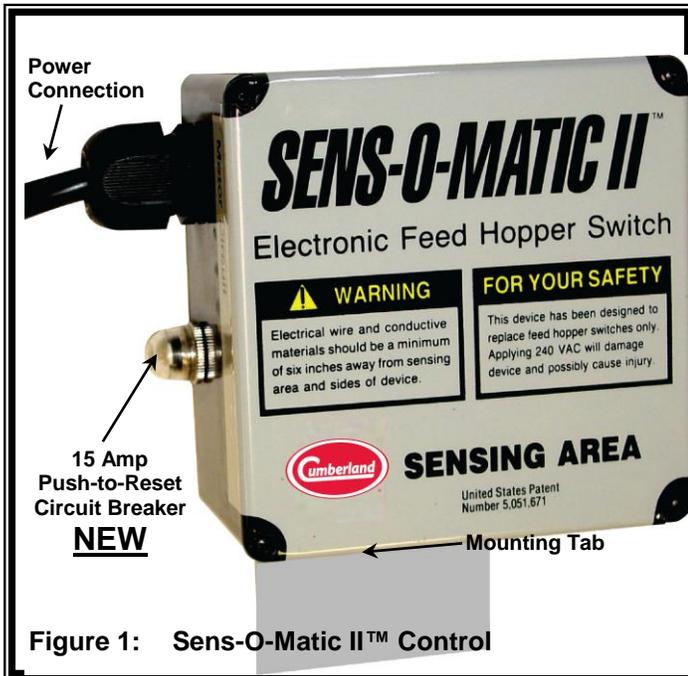


Figure 1: Sens-O-Matic II™ Control

Part #	Description
6606-0110	SM-2-I-126S-30 Sens-O-Matic™ 120v 60hz, Delay=30Sec
6606-0114	SM-2-I-246S-30 Sens-O-Matic™ 240v 60hz, Delay=30Sec
6606-0116	SM-2-I-246S-60 Sens-O-Matic™ 240v 60hz, Delay=60Sec
6606-0118	SM-2-I-246S-90 Sens-O-Matic™ 240v 60hz, Delay=90Sec
6406-1126	/Universal Mount Bracket Assembly

Tools Required	
Wire Stripper	Wire Connectors

Sens-O-Matic II™ Assembly & Installation

⚠ WARNING!

- Remove ALL Electrical Power from the feed fill system before installation / wiring.
- Never plug the Sens-O-Matic™ into a standard 120 or 240 VAC receptacle as serious injury may result.

- Disconnect AC electrical power from all equipment.
 - Place the Sens-O-Matic™ inside the feed hopper and slide the mounting tab into the hopper retaining slot.
- NOTE:** The feed tube should not be placed to allow the feed to dump directly onto the Sens-O-Matic™.
- Route and secure the Sens-O-Matic™ power cord in a safe and secure location.
 - Connect the black, white, and green wires as shown in the wiring diagram on **Page 2**.
 - Ensure that all wires are secure and safely clear from moving/turning auger components.
 - Apply power and test the Sens-O-Matic™ with feed to ensure proper operation.

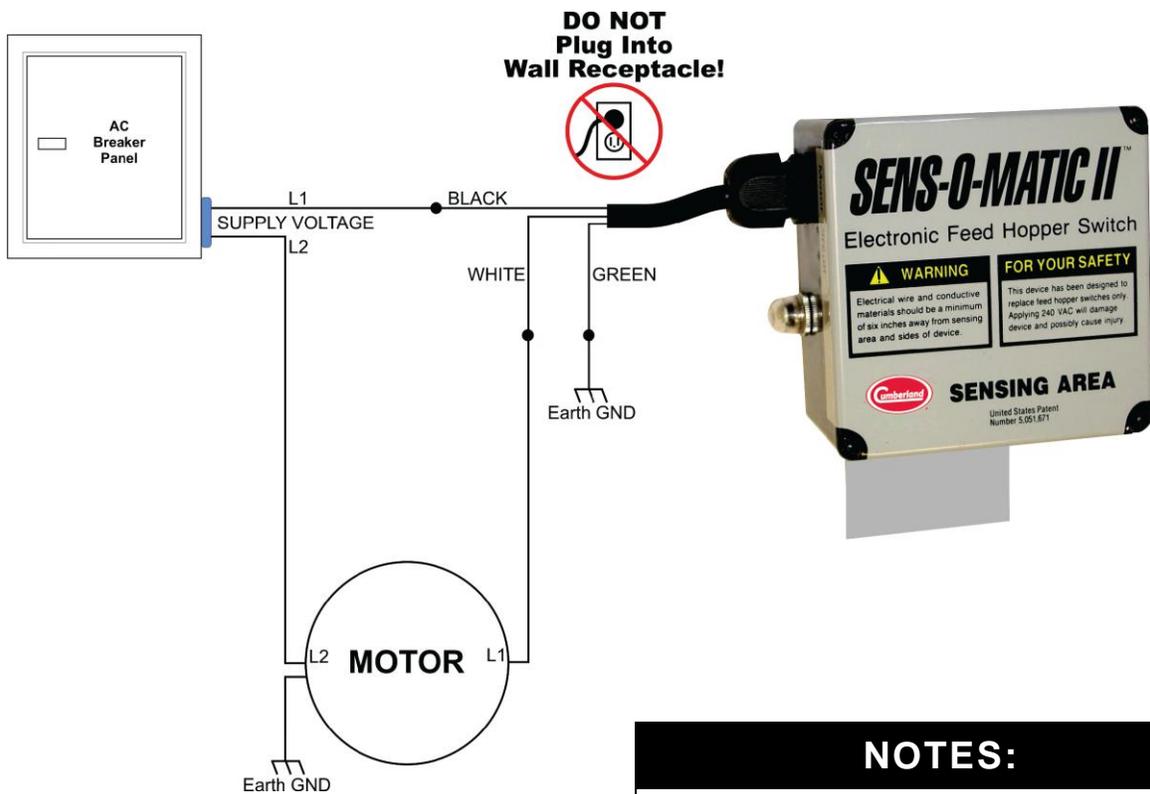
⚠ WARNING!

Only qualified electrician personnel familiar with the construction and operation of this equipment and the hazards involved should install and/or service this equipment. It is important that all standard electrical codes be observed when wiring the Sens-O-Matic™. Read and understand all instructions and diagrams before proceeding. Failure to observe this precaution could result in equipment damage, severe bodily injury, or loss of life.

DESCRIPTION

The Cumberland Sens-O-Matic II™ is an electronic feed hopper switch which turns the feed auger On or OFF depending on the hopper feed level. A NEW FEATURE recently added is the Push-to-Reset Circuit Breaker. The circuit breaker is externally accessible and has replaced the internal glass tube fuse which required opening the enclosure. The Sens-O-Matic™ is a direct retrofit for the standard Paddle Switch currently used in the poultry industry. If the feed fill system and paddle-type Hopper Switch is controlled by 240vac, a 240vac Sens-O-Matic™ is required. If the feed fill system and paddle-type Hopper Switch is controlled by 120vac, a 120vac Sens-O-Matic™ is required. Installation of the Sens-O-Matic™ is quick and simple with only three wire connections as shown in the wiring diagram provided on Page 2. Approximately 3 feet of electrical cord and a slide-in mounting tab bracket are supplied preattached to the Sens-O-Matic™. No assembly is required. The Sens-O-Matic™ is preset for approximately 30, 60, or 90 second time-delay (depending on the model ordered) from an Off state to an activated On state when nothing is sensed near the sensing area. When the kit is received, check for shipping damage. Contact Cumberland Customer Support for information regarding the universal mounting bracket.

Figure 2: Sens-O-Matic II™ Wiring Diagram



⚠ WARNING!

- Never plug the Sens-O-Matic™ into a standard 120 or 240 VAC outlet receptacle as serious injury may result.
- Remove ALL Electrical Power from the feed fill system before installation / wiring.

NOTES:

- It will require approximately 30, 60, or 90 seconds (depending on the model ordered) for the switch to cause the motor to engage.
- Instructions for trouble shooting are located on the side label of the Sens-O-Matic™.
- Refer to supplement wiring diagram and/or Cumberland Customer Support for optional External Power Supply wiring.