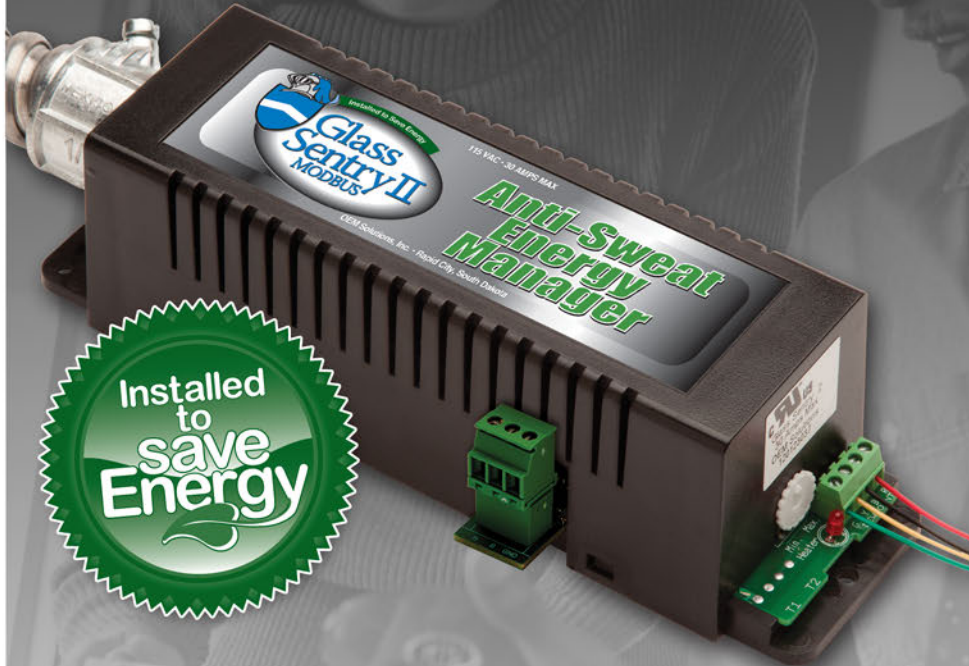


# ANTI-SWEAT ENERGY MANAGER

Sensible Energy Management

Proven Results

**GLASS SENTRY**  
Model MCS-GS II MODBUS



Small accurate sensor can easily and discreetly be installed into retrofit applications.



**MULTIPLE CASE SERIES**

Designed for communication capabilities, MCS-GSII Modbus is the ultimate solution for supermarkets and large C-store chains interested in integrating the refrigeration controls into a building automation platform.

Parameters such as relative humidity, store temperature, dew point, percent heater run time, hour watts saved, as well as alarm conditions can be viewed on a unit by unit basis. Perfect for the Corporate Energy Manager to evaluate site efficiencies and analyze systems from the convenience of his desk.

The Modbus feature is built into the *Glass Sentry* base unit that controls the operation of glass door heaters for coolers/freezers. With MCS-GSII Modbus optimized algorithm, run time on the heater can be reduced significantly.

Intelligence programmed within the microcontroller of the MCS-GSII Modbus efficiently runs the heater circuit enough to keep condensation from forming on the door frame and glass. An optimized algorithm based on humidity of ambient air efficiently controls the door and frame heaters, only allowing run time when the air is humid enough to require heat.

### *Distinct Advantages of MCS-GSII Modbus:*

- | Compact size
- | Optimized algorithm for maximum efficiency
- | Flexible conduit and pig-tail leads allow for easy retrofit installation
- | Small highly accurate humidity sensor can easily and discreetly be installed into retrofit applications
- | Simple wiring makes installation a snap
- | MCS-GSII Modbus can handle heater loads as high as 30 amps, allowing one unit to handle multiple doors

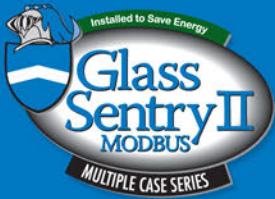


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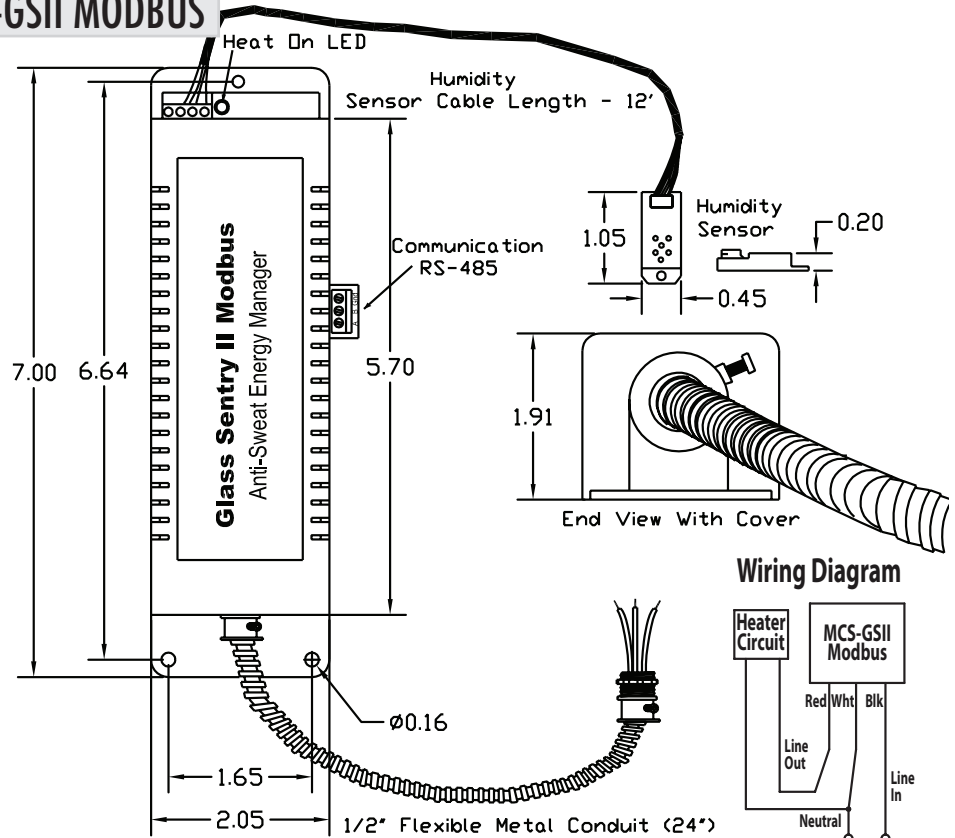
Sensible Energy Management

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## GLASS SENTRY | MODEL MCS-GSII MODBUS

### MCS-GSII Modbus Specifications:

Input Voltage:	90-132 VAC
Frequency:	50-60 Hz
Heater Cycle Time:	5 minutes
Sensitivity Adj. Range:	0-10% RH
Max. Load:	30 Amps
Communication:	Modbus RTU (RS-485)
Power Consumption:	10 Watts Max.
Wire Color Code:	Black - Line In White - Neutral Red - Heaters
Max. Ambient Temperature:	40° C
UL:	Listed
Warranty:	Limited 2 Year Replacement



## GLASS SENTRY | MULTIPLE CASE SERIES GSII MODBUS

**STEP 1 - INSTALL GLASS SENTRY**  
MCS-GSII Modbus can be mounted on top of or inside walk-in systems or inside the wire way of reach-in systems.

**STEP 2 - INSTALL SENSOR**  
Install humidity sensor above the door frame or on the ledge of the frame.

**STEP 3 - CONNECT GSII MODBUS**  
Modbus RS-485 wires to your building automation system.

**STEP 4 - SAVE ENERGY AND MONEY**  
MCS-GSII Modbus can save up to 50% of the energy normally used for anti-sweat heating.

