ANTI-SWEAT ENERGY MANAGER

Sensible Energy Management

Proven Results

GLASS SENTRY

Model MCS-GS

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

MULTIPLE CASE SERIES

HOW IT WORKS. Coolers and freezers with glass doors have heaters built in the door frames. The purpose is to prevent fogging and condensation on the doors and frames. By design these heaters run 24/7/365, but only need to run ten to fifty percent of the time. Intelligence programmed within the micro-controller of the *Glass Sentry* monitors ambient air temperature, humidity, frame temperature and calculates the dew point. It only runs the heaters enough to keep the frame temperature above the dew point (where condensation occurs). By maintaining a temperature just a few degrees above the coldest spot on the door frames, the run time on the heaters can be reduced by up to ninety percent.

MCS-GS can pay for itself within months of installation based on current cost for electricity. Its compact size and design for easy installation translate into minimum up-front cost and headaches. Unlike other controls, MCS-GS requires no adjustments as conditions in the environment change. MCS-GS is factory-preset to turn on the frame heaters whenever the coldest spot on the frame drops near the dew point. Once the heater circuit is on, it stays on for a minimum of five minutes, assuring that the surface temperature of the glass is properly elevated without wasting energy. This "closed loop" design is the most efficient design available in the anti-sweat heater control market.

Distinct Advantages of MCS-GS:

- Only runs the frame heaters enough to keep the temperature of the glass above the dew point
- Built in intelligence automatically adjust heater run time as conditions in the store change
- Pig-tail leads and flexible conduit provided with the MCS-GS allow for easy retrofit installation
- MCS-GS can control heater loads as high as 30 amps, allowing one unit to handle multiple doors
- Small highly accurate sensors can easily and discreetly be installed into retrofit applications

1-888-780-4827 | www.glasssentry.com | sales@glasssentry.com

OEM Solutions

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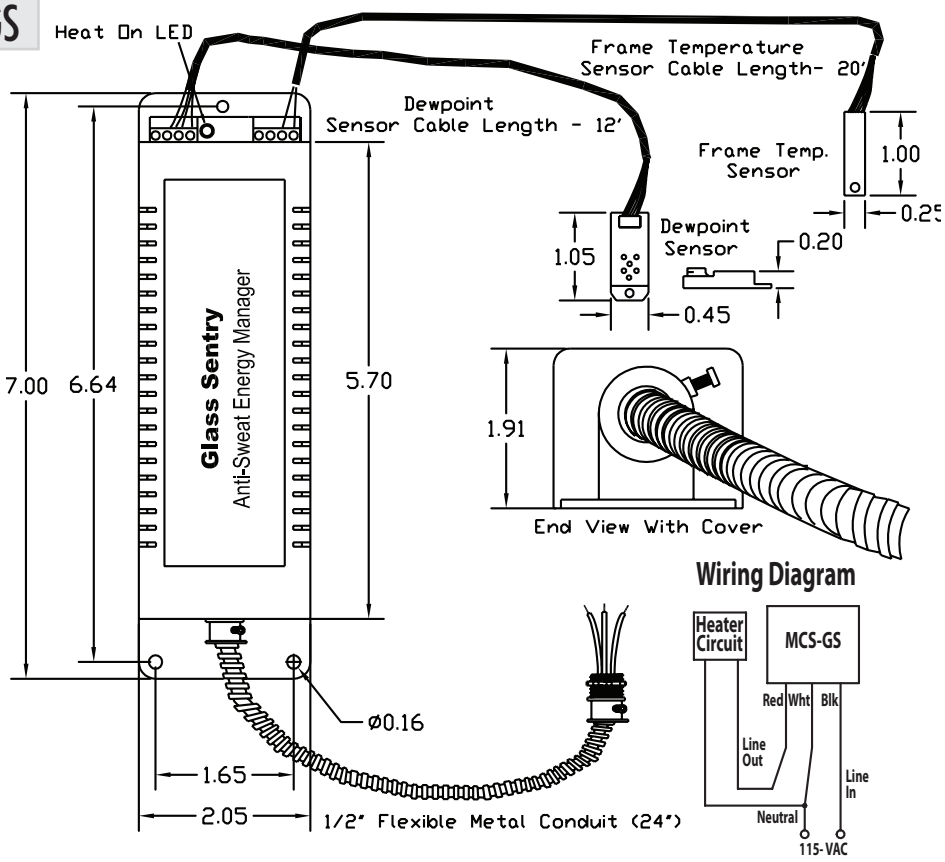
GLASS SENTRY | MODEL MCS-GS

MCS-GS Specifications:

Input Voltage:	90-132 VAC
Frequency:	50-60 Hz
Min. Heater On Time:	5 minutes
Sensivity Adj. Range:	0-10˚ C
Heater On Level:	Dew Point + Adj. Offset
Heater Off Level:	Dew Point + 2˚ C Adj. Offset
Max. Load:	30 Amps
External Fusing:	40 Amps Max.
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

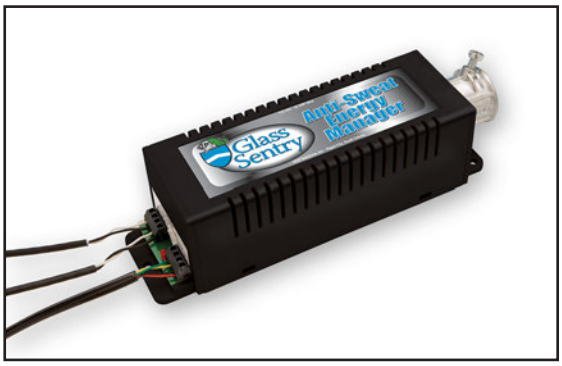


GLASS SENTRY | MULTIPLE CASE SERIES GS

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

STEP 2 - INSTALL SENSORS
Frame sensor is mounted on the coldest spot of the door frame system while the dew point sensor is mounted above or on the ledge of the frame.

STEP 3 - SAVE ENERGY AND MONEY
MCS-GS can save up to 90% of the energy normally used for anti-sweat heating.



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