Glass Sentry
MERCHANDISER SERIES

GLASS SENTRY

Model GSM-O

Installed to save Energy

Small accurate sensor can easily and discreetly be installed.

MERCHANDISER SERIES

The "Glass Sentry Merchandiser Series" is a diverse series of 4 controllers designed to handle 3A loads typically found in merchandiser applications.

The GSM-O is an open loop single output unit. It handles loads up to 3 Amps. The open loop design uses a humidity sensor and an algorithm to control both the door heaters and the frame heaters. The unit is preprogrammed with our generic algorithm, but the microprocessor can be customized for OEMs interested in matching the controller with their specific merchandiser line characteristics.

The unit is compact so it easily fits into the merchandiser. It can thereby be installed at the factory or it can be retrofitted in the field.

The *Glass Sentry* line is the "Go To" line for anti-sweat heater controls. We have been the leader in this market for over 15 years. All of our products are UL recognized and we offer private labeling options. We regularly sign nondisclosure agreements with OEMs and work with them to provide proprietary controllers for their particular corporation.

Distinct Advantages of GSM-O:

Optimized algorithm automatically adjusts heater run time for maximum energy efficiency

Only runs the frame heaters enough to keep the temperature of the glass above the dew point

GSM-O controls heater loads as high as 3 amps allowing one unit to handle multiple doors

Unit is easy to install, presence is discreet, and savings are optimal
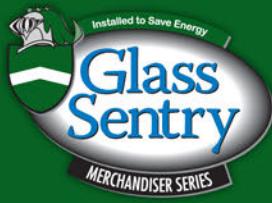
GLASS SENTRY | MODEL GSM-O

Top View

4.87

3.94

GLASS SENTRY MODEL GSM-O

18 AWG Black
18 AWG Red
0.188
18 AWG White

4.51

2.02

0.15

Tubing–
4" Length

Cable Length– 108"

2.13 1.75 1.43

1.23

Cable– 18 AWG (7" +/-.5")
Stripped 3/8" from End

Back View

1.650

2.02

0.630

0.280

0.26

Dew Point Sensor

1.35

4.87

Wiring Diagram

Heater
Circuit

GSM-O
Control

Red Wht Blk

Line
Out

Line
In

Neutral
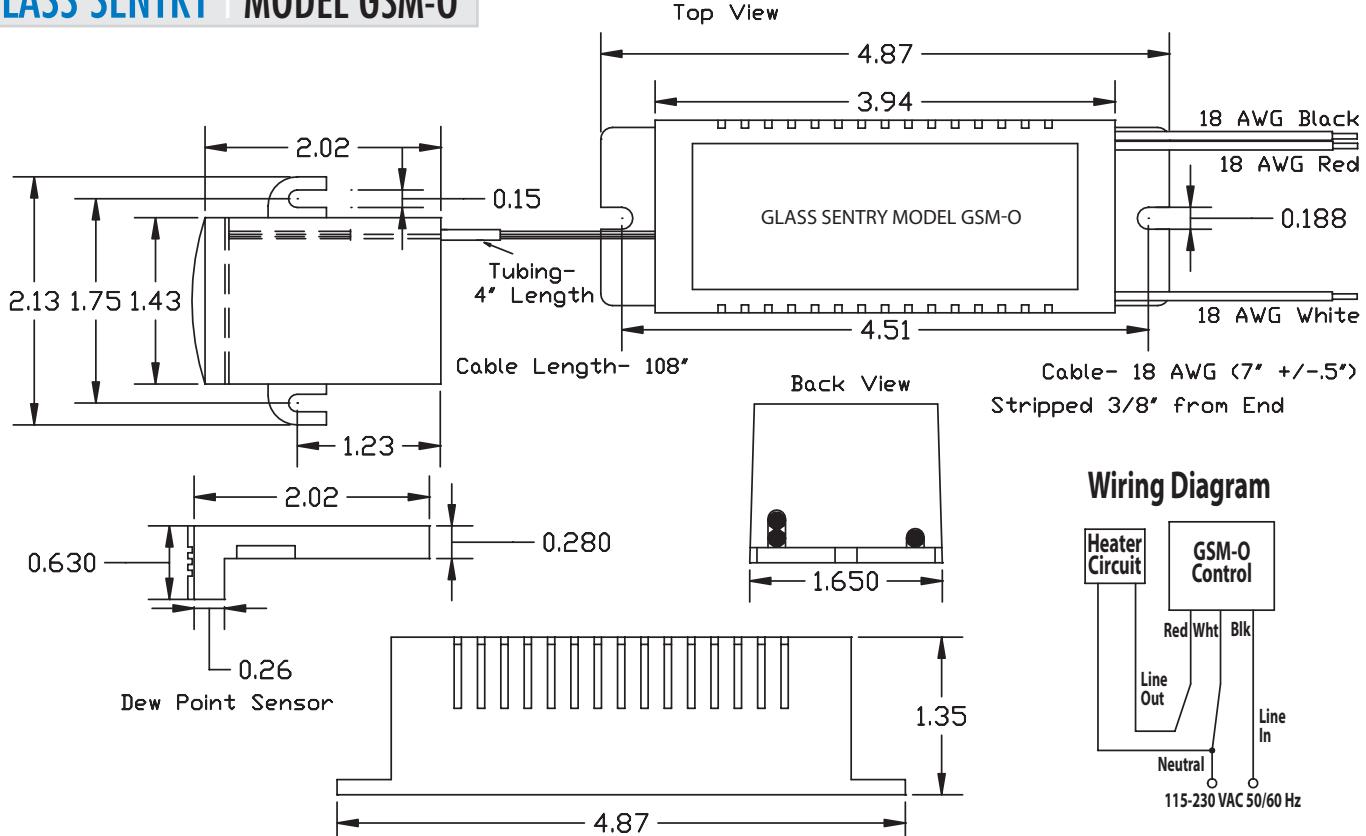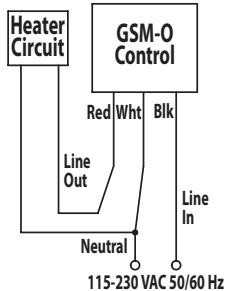
115-230 VAC 50/60 Hz

GSM-O Specifications:

Input Voltage:	115-230 VAC
Frequency:	50-60 Hz
Heater Start-up Time:	3 minutes
Sensitivity Adj. Range:	0-10% RH
Heater Cycle Time:	3 minutes
Heater On Time:	0-3 minutes
Max. Load:	3 Amps
Max. Ambient Temperature:	70° C
UL:	Recognized

GLASS SENTRY | MERCHANDISER SERIES GSM-O

STEP 1 - INSTALL GLASS SENTRY
The Model GSM-O is compact enough to be installed inside the machine compartment of any merchandiser.

STEP 2 - INSTALL SENSOR
Humidity sensor is mounted on the ledge of the frame.

STEP 3 - SAVE ENERGY AND MONEY
The Model GSM-O can save up to 50% of the energy normally used for anti-sweat heating.