

ThermalSense

Reduce IG field failures by monitoring the oven exit temperature of every unit

The second most frequent reason insulating glass units fail in the field is because the adhesion line oven temperature was too low*. This is often undetected until an installed unit fails.

With ThermalSense from Integrated Automation Systems, you monitor the oven exit temperature of every unit. This allows you to immediately adjust oven speed and re-heat below-limit units.

ThermalSense costs less than investigating and replacing just a few units in the field and works with Intercept® and Duralite® spacers.

- Simply enter your upper and lower limits. The chart displays the temperature for every unit.
- Monitor up to four sensors (top, right, bottom, left).
- When a unit is outside the limits, the green light turns red. ThermalSense can also immediately send an email or text for any unit in warning and alarm zones.
- Operators can make realtime process adjustments.
- All data is recorded and can be reviewed for trends and issues.

Future capabilities include interfacing with your oven speed control to automatically keep temperatures within the limits.

** The most common reason for IG field failures? Inadequate fourth corner patching. We offer a solution for that too!*



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ThermalSense
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Last 10 IG Units

Top
Bottom

Current IG Inspection

Current IG Inspection

Temperature

Threshold

High Alarm

High Warning

Low Warning

Low Alarm

Reset Threshold

Silence Horn

Sensor	Threshold (°F)	Consec. Warnings	Consec. Alarms
Top	200	3	3
Bottom	200	3	3

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ThermalSense
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Main Settings

High Alarm Limit:

Low Alarm Limit:

High Warning Limit:

Low Warning Limit:

Glass detection °F above baseline:

Rolling average baseline period (seconds):

Glass-in-place timeout (seconds):

Alarm Notifications: Disabled

Warning Notifications: Disabled

Number of Sensors:

For troubleshooting or service call IAS
330-954-3070

Email Notification Configuration

Email Addresses:

Consecutive warning IGs before notification:

Consecutive alarm IGs before notification:

URL to email server:

Sender Email Address:

Sender Email Password:

Email preamble:

SQL Server Settings

Server Name:

User Name:

Password:

Database:

Table Name:

Column Names

Leading edge temperature:

Trailing edge temperature:

Warning limit high:

Warning limit low:

Alarm limit high:

Alarm limit low:

Passed:

Timestamp: Sensor:

Test Alarm Notification
Test Warning Notification
Test Glass In Place Timeout Notification
Reset Alarm Count
Reset Warning Count
Change Sensor Names
Set Date and time
Save

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