



# CROWN ELECTRIC

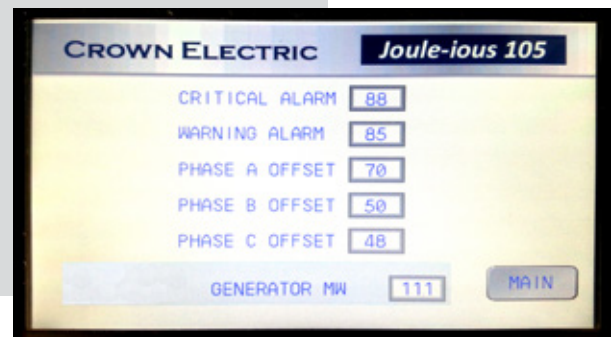
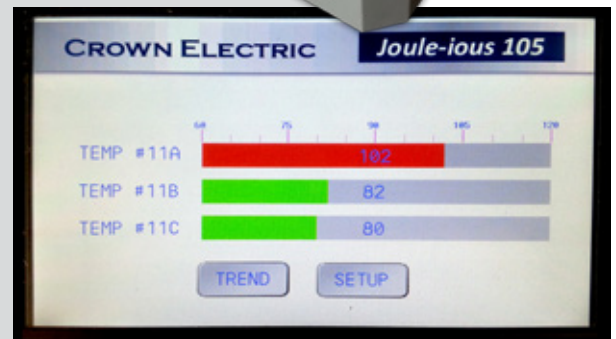
## *Joule-ious 105*

Iso Phase Bus - On-Line Thermal Monitor

# Protect Your Assets

**Iso Phase Bus - Real Time Monitoring  
Includes generator and GSU Tx  
bushing connections**

- 24/7 monitoring, data logging, annunciation and alarming.
- Infrared temperature sensor provides accurate “no touch” temperature readings.
- Visual indication for critical alarm levels on each phase.
- 15 minute data point trending with 1 year of data storage.
- Wide angular eyeball mounting bracket allows for easy installation and positioning.
- Analog and digital communication available.



## Joule-ious 105 - Spec chart

Power Supply: 2A at 120V

Temperature Rating 45C

IR Sensor:

Monitoring Range: 0 – 200C

Accuracy: 2%

Spot Size: 12:1

Options:

- 65C Temperature Rating
- Additional 3 temperature sensors
- Generator MW input (4-20mA)
- Alarm Output



Custom high angular ball mount

Crown Electric offers the **Joule-ious 105** On Line thermal monitoring system for both new and retrofit IPB applications.

The **Joule-ious 105** is a ruggedized, high accuracy infrared, touch-less thermal sensing system.

**Joule-ious 105** sensors are mounted on the Iso Phase Bus enclosures pointing at the conductor where it adjoins with the major capital equipment (Generators and GSU transformers).

The **Joule-ious 105** continuously monitors, logs, reports and annunciates IPB temperature at each surveillance point.

Multiple pre-alarms and alarm levels are fully programmable.

Reporting and alarming can be local, remote, wired or wireless.

**Now IPB Temperature Monitoring is easy and in your hands.**



Rugged and easy to install sensors

# CROWN ELECTRIC ENG. & MFG. LLC

## IPB and More

- Disconnect Switches
- Generator Breakers
- Full Turn-key Installation
- On-Line Thermal Monitoring
- Engineering Upgrade Studies
- Replacement and Upgraded IPB Coolers



Fabricators to the  
Utility Industry

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