

The **I-Series Temperature Controller** is a direct interchangeable replacement for INCOE's Microcom® Temperature Controller. While the module is new, the enclosures housing the modules remain unchanged and readily accept the replacement modules.

The underlying control structure used for the I-Series remains the same as the Microcom® it replaces - control is maintained utilizing a self-tuning PID algorithm.

The I-Series Controller also contains all of the operating features of its predecessor, as shown below:

| FEATURES | I-Series IC-15A | Microcom® Discontinued |
|-----------------------------------|----------------------|------------------------|
| Module Price | | |
| Cost Comparison | \$ | \$\$ |
| Controller Specifications | | |
| Input Power Range | 90-250VAC 50/60Hz | 207-253VAC 50/60Hz |
| Maximum Output Power | 3600W/15 amp | 3600W/15 amp |
| Primary Operation Settings | | |
| Type J or K Thermocouple | Yes | Yes |
| °F or °C Degree Selection | Yes | Yes |
| Soft Start | Yes | Yes |
| Zero Crossing or Phase Angle | Yes | Yes |
| Control Modes | | |
| Auto Mode w/PID Tuning | Yes | Yes |
| Manual Mode | Yes | Yes |
| Other Modes | | |
| Boost Mode | Yes | Yes |
| Standby Mode | Yes | No |
| Other Features | | |
| Current Reading | Yes | Yes |
| Percent Output Reading | Yes | Yes |
| Actual Temp Reading | Yes | Yes |
| Set Temp Setting Displayed | Yes | Yes |
| Status Displayed in Idle Mode | Yes | Yes |
| Alarms | Yes | Yes |
| Parameter Lock | Yes | Yes |
| Error Code Saving | Yes | No |
| Safety Features | | |
| Start-up Protection | Idle Mode | Relay |
| Over-Voltage Protection | Yes | Yes |
| Reversed Thermocouple Detection | Yes | Yes |
| Over-Current Detection | Yes | Yes |



I-Series IC-15A



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Microcom®



Microcom®

To learn more about INCOE's **I-Series Temperature Controller** and other INCOE products, visit www.incoe.com.