

CONTROLLERS

TTC-H5-24 5 Recipe TEMPERATURE TIMER CONTROLLER (TTC) We are proud to offer a 5 recipe TTC. The TTC-H5-24 incorporates all* the functions of the standard TTC-H-24 (see description below) but enables the user to set up and store five separate process recipes. Each separate recipe includes:

- Process Temperature Set Point
- Hi (temperature) alarm Set Point
- Lo (temperature) alarm Set Point
- PID parameters
- EEPROM Memory Retention (storage) 10 years without power

The H5 version is ideal for R&D, university and pilot programs where a single process bath is used for multiple processes. (*note: the RS232 function is not available on this model)

TC-H-24 TEMPERATURE TIMER CONTROLLER The ISE TTC-H-24 is designed to provide precise temperature control for a wide variety of etch, strip and develop processes. The TTC is microprocessor based. It monitors / controls process temperature via a Type J process thermocouple sensor and three-mode (PID) control scheme. A comprehensive range of status and alarm functions are included that enables the monitoring of various system parameters. A Timer is incorporated in the TCC and features with a count-thru and pre-warn functions along with various timer alarms.

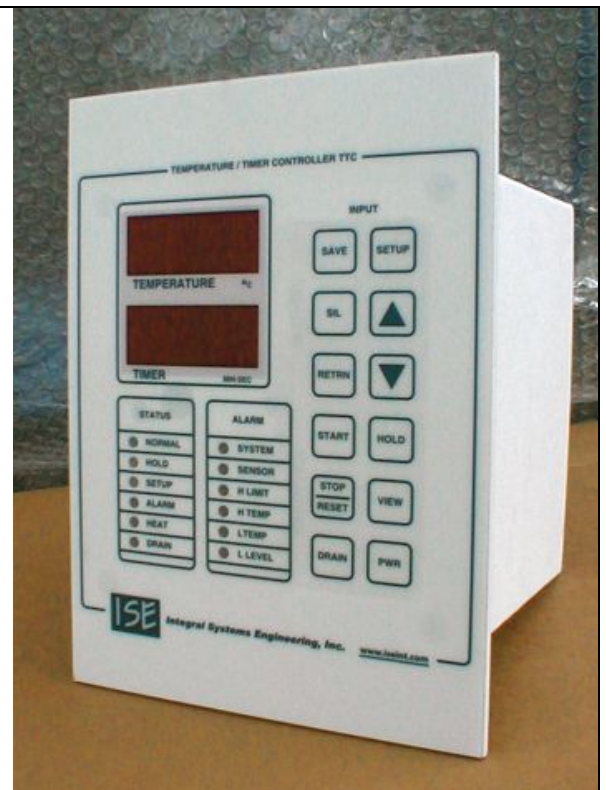
Standard Features Include:

- Bright LED temperature and time readout
- Programmable temperature and time settings
- Integral process timer
- Programmable access code protection
- Audio and LED alarms for over temperature, low liquid level etc.
- Chemical resistant membrane style faceplate
- Single process program / recipe includes the following parameters:
 - PS - Process set point
 - HI - Hi alarm set point
 - LO - Low alarm set point
 - PID – parameter
- EEPROM Memory Retention (storage) 10 years without power


Options – Sub-Ambient control, auto-water addition (nitride etch/strip process)

Size - 8.25 x 6 x 5.25 inches (HxWxD)

Power – 24V, 120 or 208 VAC 50/60HZ



DUMP RINSER CONTROLLER – The ISE DRC offers complete process control functions. It is fully programmable and is available for single and double door Quick Dump Rinsers.

	<p>Standard Features Include:</p> <ul style="list-style-type: none"> • Bright LED readout • Programmable access code protection • EEPROM Memory Retention (storage) 10 years without power • Visual and audio alarms • Auto Dump Function • Resistivity Interface • Internal Pneumatic Valves • Color Coded Pneumatic Harness • Chemical resistant membrane style faceplate and Kydex enclosure <p>Size - 8.25 x 3 x 5.25 inches (HxWxD) Power – 24V or 120 VAC 50/60HZ</p>
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RESISTIVITY MONITOR - The ISE RM (not shown) is a microprocessor based Resistivity Controller with outputs for Alarm and/or Control purposes.

<p>Standard Features include:</p> <ul style="list-style-type: none"> • Auto Ranging, 2 M OHMS-CM to 20 M OHMS-CM • Two Independent Cell (sensor) inputs (Cells optional) • BOTH CHANNELS SIMULTANEOUSLY MONITORED/CONTROLLED • 3-D (full) Curve Temperature Compensation CURVE TEMPERATURE • 2 ea. Programmable Alarm/Control Relays, Output Transistors (OCT) • 0-100 degrees C Temperature Measurement/Compensation 	<ul style="list-style-type: none"> • EEPROM Memory Retention (storage) 10 years without power • Audio and visual Alarms • Separate Alarm / Range Settings for each Cell • Programmable access code protection • Chemical resistant membrane style Bright LED readout • High Resolution 20K count A/D converter <p>Size - 8.25 x 3 3/4 x 5.25 inches (HxWxD) Power – 24 or 120 VAC 50/60HZ</p>
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TIMER - The ISE T (not shown) is a Microprocessor based Stand Alone Timer

<p>Standard Features include:</p> <ul style="list-style-type: none"> • Count up or Countdown Function (programmable) • Over count Display • Programmable Pre-Alarm • Form C (N/O-C-N/C) Relay Output • Scalable in Hours: Minutes, Minutes: Seconds or Seconds • Programmable access code protection 	<ul style="list-style-type: none"> • EEPROM Memory Retention (storage) 10 years without power • Audio and visual Alarms • Chemical resistant membrane style Bright LED readout <p>Size - 8.25 x 3 x 5.25 inches (HxWxD) Power – 24 or 120 VAC 50/60HZ</p>
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