

## RESISTRON RES- 407, RES- 403, RES- 401 PRECISION HEATSEAL CONTROLLERS

**RES-407** is a high response heatseal temperature controller that will deliver precise repeatable sealing temperature every cycle in either impulse or constant heat mode. Designed to operate with or without a PLC interface, the unit is in-cabinet DIN rail mounted. Cycle Start and Temperature Setting can be either local, or remote control with a 24VDC signal. Valuable features include; remote Temperature Set Point Selection and Analog Temperature feedback that can be used for control, display or Datalogger recording. Error Diagnosis makes trouble shooting a snap and the optional Booster Output feature permits extra high power applications.

Perfect for validation, seal time and temperature can be sampled or continuously recorded on the optional companion Datalogger.

**RESISTRON** Controllers achieve perfect high response control by utilizing the qualities of the Alloy-20 Heatseal Band itself to provide instantaneous temperature feedback to the controller. Power is adjusted 60 times per second to assure that the actual temperature is always equal to the pre-selected set point.

**RES-401** and **RES-403** are also available as well as panel mounted RES-400 Series controllers. See the reverse side for detailed descriptions.



### FEATURES

- Both local and remote PLC control
- Remote analog temperature adjustment
- Analog Real Time Feedback
- Easy FDA validation
- Error Diagnosis and "ALARM"
- Auto "band break" detection
- Control multiple bands
- Conforms to CE and EMC standards
- Automatic "ZERO" Calibration
- Booster Output for extra high load applications, optional

### APPLICATIONS

- Form/ Fill/ Seal Machines
- Manual or Semi Auto Sealers
- Web Joining
- Fitment Attachment
- Cut and Seal applications

### FREE SERVICES AND SUPPORT

*T.O.S.S. offers assistance in applications, circuit design, and Heatseal band selection. Free seal testing of your materials with samples sent for your evaluation.*

For More Information Contact **T.O.S.S.**  
Phone 610-759-8883 Fax 610-759-1766 E-Mail [Info@tossheatseal.com](mailto:Info@tossheatseal.com)  
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# RESISTRON HEATSEAL CONTROLLERS

T\*O\*S\*S offers a complete line of Time/Temperature Controllers that are used primarily for the heat sealing of plastic films, or the attachment of films to frames or fitments. The RES-400 Series includes controllers that are panel mounted as well as cabinet mounted for protection from physical damage or wash-down. Advanced models including the RES-407, RES-406, and RES-409 are designed for PLC interface, including PROFI-BUS and CAN-BUS. Please contact T\*O\*S\*S Applications Engineering at (610-759-8883) for assistance with selection of the best controller for your application.

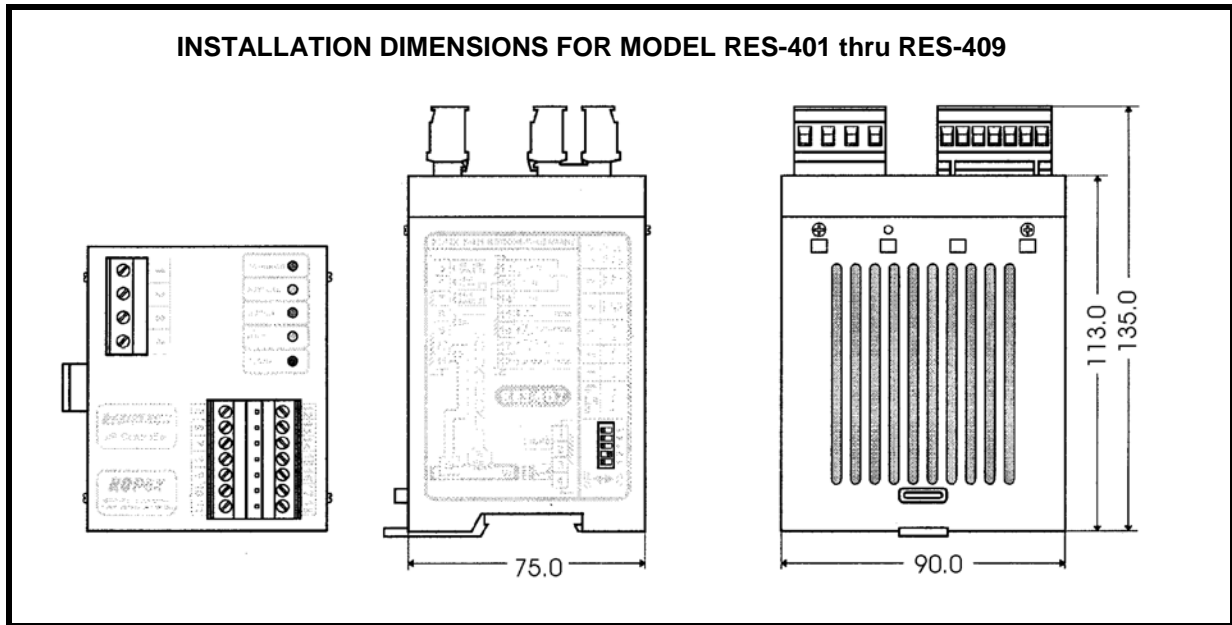
## COMPARATIVE FEATURES -

	401	403	407
Cabinet Mounted	Yes	Yes	Yes
AutoCal -Automatic Calibration	Yes	Yes	Yes
Temperature Range Selection		Yes	
Auto Diagnostics	Yes	Yes	Yes
ATR Temperature Meter - Option	Yes	Yes	Yes
Remote Start		Yes	Yes
Remote Analog Temperature Set			Yes
External Fault Alarm Signal		Yes	Yes
Analog Temp., 0-10 VDC Output		Yes	Yes
Interface with PLC			Yes

## SPECIFICATIONS -

Voltage, Standard , Optional	230 VAC 115 or 400VAC
Line Current, Max.	20 Ampere
Auxiliary Power	24 VDC
Temperature Ranges	0 - 300°C. 0 - 500°C.
Size, mm	90 x 75 x 135 h.
Weight	1.54 lbs.
Mounting	DIN Rail 35mm
Heatseal Bands - Various, Alloy 20	

## INSTALLATION DIMENSIONS FOR MODEL RES-401 thru RES-409



For more information, contact:  
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