



Screw Plug Heating Solution

- Mount controls locally on heater or remotely
- Digital Indicating Controls for use with 2.5" Screwplug
- Heater Power Control and Disconnect
- Diagnostics Indications
- RS485 Digital Communications with MODBUS® Protocol
- 120/240/480 Volt
- Single or Three Phase
- Upgrade Existing Installations

Description

The IntelliTHERM is a complete heating solution that includes digital controls and diagnostics in an integral package. It is designed for indoor area use directly mounted to a catalog screw plug heater assembly. It's compact size minimizes space required and as an option, the panel is remote mountable.

Standard Features

- 1/16 DIN Digital Temperature Controller w/ auto-tuning PID
- Integral Power Switching (up to 48 Amps)
- Integral Disconnect Switch
- Type "J" Thermocouple Electronic Process Temperature Sensing
- "EZ" Slip-on Rotatable Control Panel Mounting to the heater (Provisional Patent Pending)
- UL Listed or Recognized components
- OPTIONAL: 1/16 DIN Temperature HI/LOW Limit Controller - Model IL-3S



Shown assembled with screw plug



Screw Plug

Advantages

- Save space, time and additional materials during installation of electronic process temperature sensing and control.
- Provides local digital indication of process temperature
- High or low temperature alarm to alert user of process problem
- Heater service alarm indicates if heater is operating below normal output to allow service BEFORE a process problem arises
- Remote mount available for additional installation flexibility.

- Stock availability for same day shipment

- Communications for remote control monitor and indication through PC or master control system

Diagnostics Indications

- "Heat On" Indication and Temperature Readout
- Selectable Temperature Alarm
- Heater Service Alarm

Specifications and Ordering Information

Heater Selection - E1 General Purpose						Circuits	Amps	Model	Stock	PCN	Controls
Phase	Single Phase			Three Phase		1	48	I-3S	S	329682	1604
Volts	120	240	480	240	480						
max kW	5.7	11.5	23	19	39						
Phase	Single Phase			Three Phase		1	48	IL-3S	NS	329690	1600 and 1604
Volts	120	240	480	240	480						
max kW	5.7	11.5	23	19	39						

Shipping weight = 33 lbs.

Dimensions (In.):

Panel = 12 w x 13.5 h x 16.5 d

"EZ" Adapter = 5 dia. x 3.051

Step 1: Determine heating needs. Refer to the heater selection criteria in the table above and order your 2.5" screw plug heater. Select from Models MT-3, MTS-3, MTI-3, MTO-3 in the catalog pages for screw plug heaters.

OR

Upgrade your existing installation when your heater is within the heater selection criteria in the above table. Upgrades apply to standard 2.5" screw plug models MT-3, MTS-3, MTI-3, MTO-3, ARMT-3, ARMTS-3, ARMTI-3, ARMTO-3.

Step 2: Order IntelliTHERM kit from the PCN in the above table (includes controls & heater adapter with connections).