



# S20-D3C Temperature Control Module

A superior Temperature Control Module designed for those applications where ease of operation, cost and features are of concern.

**EXCEPTIONAL VALUE**

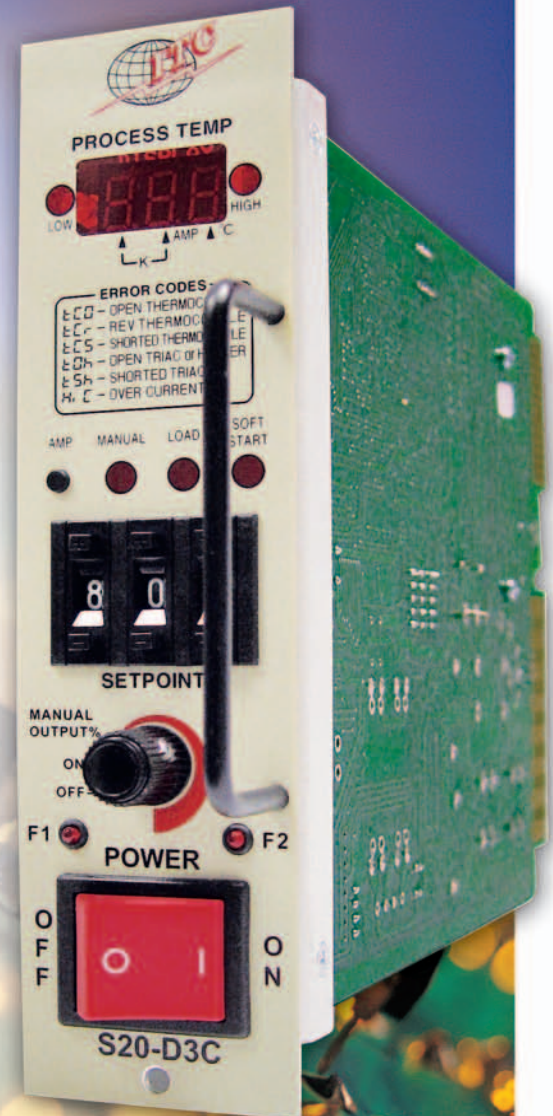
**EASE OF OPERATION**

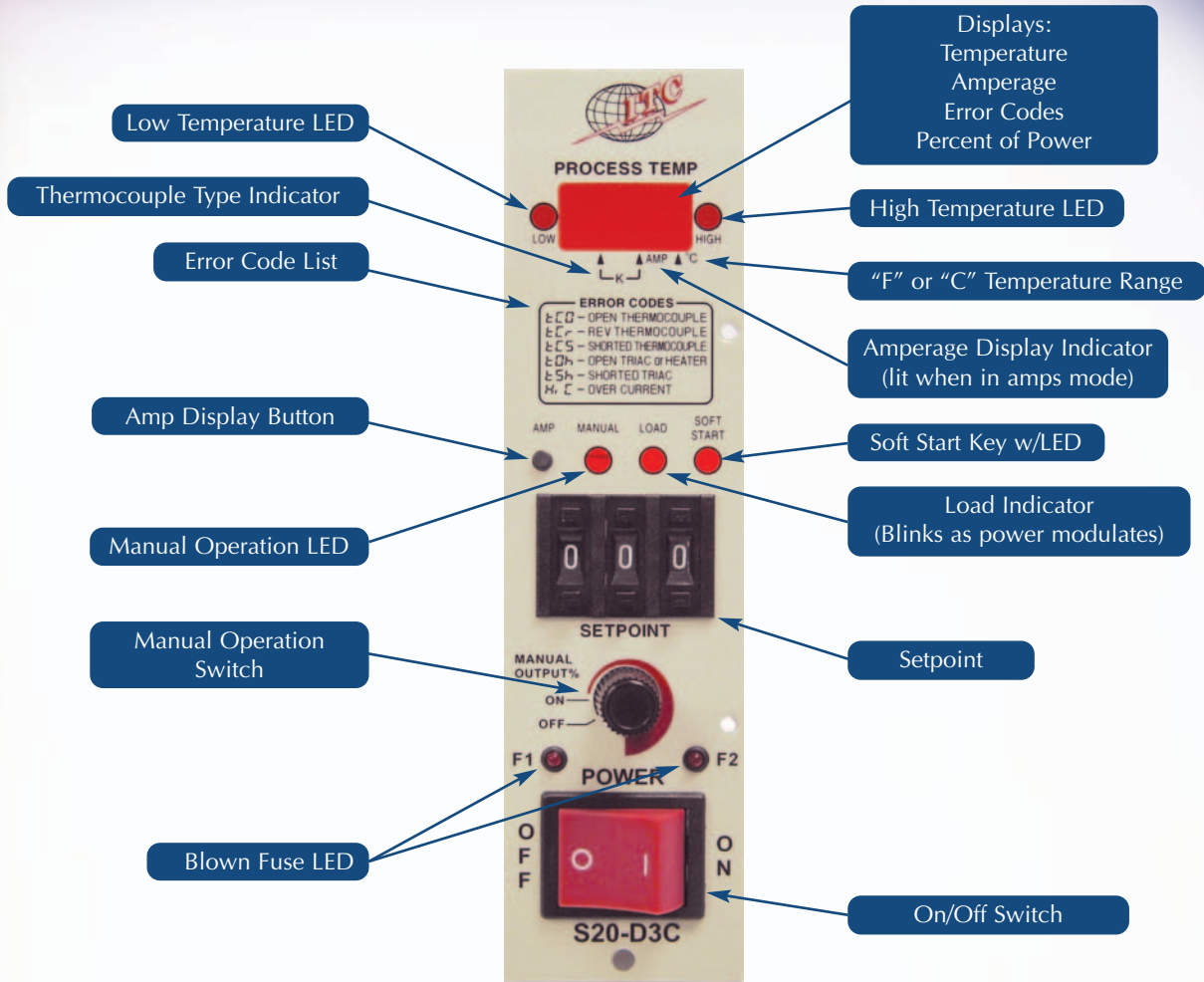
**PREFERRED DIAGNOSTICS  
FEATURES**

**SUPERIOR OPERATING  
FEATURES**

**DURABILITY**

**WARRANTY**





The S20-D3C Temperature Control Module has been intelligently designed, making it easy to set up and simple to use, while maximizing productivity, and providing an exceptional range of features, in order to meet the rigorous requirements of today's plastics industry. The Microprocessor based circuitry of the S20-D3C performs a full array of diagnostic and operational functions. Set-point temperatures are automatically maintained by means of our fully Adaptive-auto-tuning PID/FUZZY LOGIC function.

The S20-D3C Module has been designed with the operator in mind; therefore it is easy to use. What could be simpler than, just turning it on, setting the operating temperature using the pinwheel set-point, then letting it run?

## FEATURES:

- Automatic or Manual Operation
- Advanced Anti-Arcing Circuitry w/"ITC" Main frames
- Automatic Soft Start
- Amperage Measurement & Display
- Type "J" or "K" Thermocouple
- "F" or "C" Temperature ranges
- Selectable Control Methods – Adaptive-auto-tuning PID or Fuzzy Logic
- Manual Control for non-thermocouple applications
  - Blown Fuse indicator
  - This Module operates all "ITC" 15 and 30 amp main frames
  - Compatible with "G" series main frames

## DIAGNOSTICS:

The multifunction digital readout displays actual temperature, amps, percent of power, as well as various error codes:

- Open Thermocouple
- Reverse Thermocouple
- Shorted Thermocouple
- Open Triac or Heater
- Shorted Triac
- Over Current Condition

Individual LED's indicate:

- Manual Operation
- Soft Start
- High/Low Temperature – +/- 30° F
- Power output to the mold
- Blown Fuse
- "F" or "C" Temperature ranges
- "J" or "K" type thermocouple indicator
- Amp Measurement & Display