

TTI1600 GASFLOW™

The Model TTI1600 programmable controller from TechTrol continuously monitors up to 24 points, 16 analog (Temperatures, Pressures, etc.) and 8 digital (Liquid levels, Vibration etc.).

These controllers are rugged, reliable and affordable. The highly visible graphics display and clearly marked touch screen, coupled with the intuitive menu driven setup screens make programming a snap and installation is a breeze. Simply install the controller on the skid or around the Compressor Unit and then connect to the sensors via cables (no plumbing of the skid is required!). All cables are supplied and are specifically designed for use in the Oil Field. Connections are made via module weather-tight type connections.

Features and Benefits:

- Touch Screen, High Resolution Graphic Display
- Relay Output for Shutdown Control.
- Backlight for day or nighttime viewing.
- Works on gasoline, natural gas or electric motors.
- Reduced installation time and material costs.
- Reduced maintenance costs.
- Up to 16 analog and 8 digital shutdown inputs.
- Customized programming to fit your application.
- Temperature, Pressure, and RPM sensors included.
- Pop-up with specific reason for shut down.
- Keeps history for each sensor.
- Password Protected.

Easily Programmable Pop-Up Windows for Setting Warning and Shutdown Values.

- Track TOTAL hours of run time.
- Monitor Engine RPM.
- Monitor System Pressures.
- Monitor System Temperatures.



Description of functions:

Set-up: The controller is shipped with default alarm values that will provide protection to the Compression Unit even if the Set-up procedure is not completed.

The Set-up procedure is menu driven and can be completed in a matter of minutes so that the controller can be customized to maximize performance of each individual Compressor. Each Set-up Screen is password protected with a User-assigned password for security.

SYSTEM/ TIME-DATE: This screen allows the user to set the current Time and Date as well as:

KILL TIME - The amount of time a shut down limit is exceeded before the system will shut down. Range 0 - 255 sec.

TEETH/REVOLUTION - The number of teeth on the Flywheel to determine the RPM. Range 1 - 999.

RECORD INTERVAL - The time in minutes between recordings for history. Range 1 - 512.

SENSOR SETUP SCREENS: Each Analog sensor can be set up individually for:

LSD ALARM - Low range Shut Down Alarm setting.

LOW WARNING - Low range Warning Alarm setting.

HIGH WARNING - High range Warning Alarm setting. Range

HSD ALARM - High range Shut Down Alarm setting. Range

RECEIVED VALUE - Displays the current value reported from the sensor.

ADJUSTED VALUE - Allows user to calibrate the analog device.

TIMERS - Each sensor can be assigned to one of three timers that determine how long the sensor value will be ignored after the Compressor has been started. Timer T1 and T2 have a default setting of 30 and 300 seconds respectively but can be adjusted by the user. If NONE is selected, the sensor is not ignored during start up.

OK - The OK button accepts the displayed values and returns the user to the Sensor Display Screen.

VIEW HISTORY - The View History button allows the user to view the last 100 values recorded for the selected Sensor.

ALARM POP-UP: In the event of a shutdown, a Pop-up window notifies the user of the exact reason for the shutdown in plain English. The Pop-up will remain until acknowledge by the user.

Optional Equipment:

- Data transmission telemetry.
- Solar Charging Panel
- Auto Start/Stop

Controller Specifications:

Controller Box Size	5" X 7" X 3"
J-Box Size	12" X 12" X 8"
Enclosure Rating	Nema 4X
Power Requirement	90 to 250 VAC @ 50/60 Hz or 12VDC to 40VDC @ 600 mA
Display	High Resolution Graphic Touch Screen, 2.5" X 2.5"
Communication Interface	RS232/RS485
Operating Temperature	0° F to 120°F heater available for colder temps