GATEKEEPER IGNITION SYSTEM

DESCRIPTION:

The Cordova GATEKEEPER Ignition System is the perfect solution for maintaining a complete destruction of the VOC's in your Enclosed Combustion Unit (ECU). The system was specifically engineered to help Big Iron Oilfield Equipment meet Quad O requirements involving their enclosed combustors. Most ECUs or ECDs only have a simple ignition system which re-lights the pilot and possibly alarms out upon ignition failure. These systems offer no control on what process pressures enter the combustion device, and most combustors available on the market today will not destruct VOC's efficiently at lower pressures (usually below 2 or 3 ounces). Here is where the GATEKEEPER can help!!

The GATEKEEPER is not only an ignition system, but it constantly monitors process pressures entering the ECU and only allows tank vapors to enter the combustor when proper pressures are met and maintained ensuring a complete combustion of the vapors. When there is low or inconsistent process pressure from the tanks, the GATEKEEPER will signal a valve on the inlet of the combustor to close until proper pressure is sensed upstream. When proper process pressure is sensed and maintained upstream from the process valve, the GATEKEEPER will open the valve and allow tank vapors to enter the ECU.

ADDED BENEFITS:

The GATEKEEPER not only ignites and controls proper flow to the ECU, but also has optional radio capabilities and/or digital output for alarm, data logging, and high temperature shut down capabilities via thermocouples.

Cordova also recommends its' GATEKEEPER Process Valve (GPV-250) which was specifically designed for low pressure applications with minimal pressure drop across the valve. The valve (pictured below) is 3" FNPT ported and is field configurable for straight through or angle installation, and includes internal pressure sensing ports for easy configuration with the GATEKEEPER.

SPECIFICATIONS:

Enclosure	12"W x 14"T x 6"D Nema 4
Battery	20 ah SLA (Included)
Solar	30 Watt (Included)
Alarm Output	1 Digital Output (Included)
Alarm Radio Output	Upgradeable to Cordova RAD-I/O Wire Replacement
High Temperature Shutdown (must include valve)	Thermocouple (Not Included)
Pilot Fail Shutdown (must include valve)	Closes GPV-250 Valve Upon Pilot Gas Failure
Data Logging	Hardware Accepts Up To 32G SD Card
Ignition Sequence	30 Seconds
Interface	3.5" TFT LCD Display