

Remediation System Controls

Geotech ECM

The Geotech ECM (Environmental Control Module) is a specially designed microprocessor based industrial control panel for operation of a wide variety of industrial equipment including Geotech ORS remediation equipment. The control module will accommodate many different combinations of equipment from one control panel. The Geotech ECM has been designed specifically for ease of use and installation. A basic panel is capable of controlling up to 8 devices from 24 I.S. probe inputs. Devices can vary from small signal relays to 75 hp motor starters. A system can be easily expanded to accommodate up to 32 additional outputs and 96 additional I.S. probe inputs.

FEATURES

- All components are housed in an easy-to-install weather proof NEMA 4X (IP66) enclosure.
- A bright 16 x 2 character vacuum fluorescent display shows users exactly what is happening with each individual component within the system.
- Probe float position and output device on/off status can easily be viewed on the display day or night.
- A four button key pad is used to change menu and status display.
- Large Hand / Off / Auto switch controls for direct control over individual system devices.
- Incorporated circuitry for wiring extensions into locations classified as hazardous.

CAPABILITIES

The robust Geotech ECM control panel has a wide variety of capabilities for automatically controlling electrical environmental remediation equipment. Site specific needs can be met on an individual basis from a single flexible platform. Systems may include a variety of the following equipment:

- Probe Scavenger with 12V DC product pump
- Small Diameter Filter Scavenger with 12V DC product pump
- Water table depression pump up to 75 hp motor
- Air stripper blower up to 75 hp
- SVE blower up to 75 hp
- Transfer pump up to 75 hp
- Water level drawdown control with pressure sensors

Call Geotech Environmental Equipment, Inc. for information on additional expansion capabilities including local wireless mesh and remote network accessibility options.



TELEMETRY
PACKAGES
AVAILABLE

GECM shown with optional total runtime counters, fusible disconnects, 7-day On / Off timer.



OPTIONS

- Pre-wired circular connectors are available for probe connections to make installation fast and simple
- Total runtime counters
- 7-day On / Off timers
- Fusible disconnects
- Telemetry packages

SPECIFICATIONS

Electrical:	10 Watts 115V AC, 230V AC or 460V AC input power
Environmental Conditions:	0° to 104°F (-17.8° to 40°C)
Main Enclosure:	NEMA 4X (IP66)
Enclosure Material	Fiberglass
External Height	18" (46 cm)
External Width	16" (41 cm)
External Depth	10" (25 cm)
Weight:	15 to 45 lbs. (16.8 to 20.4 kg) depending on installed options

Note: See individual device manuals for detailed electrical specifications.

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