ALTRONIC

NGI-5000 ADVANCED IGNITION SYSTEM LEGACY COMPATIBILITY MODE

- Supersedes existing CPU-2000 ignition system Logic Module (PN 291100-1)
- Drop-in replacement enclosure, mounting, system wiring
- Dual, 7", full HD (1080P), user-configurable, displays for system monitoring and control
- Incorporates the revolutionary Altronic Web Interface (AWI) for easy customization of displays
- Simple system configuration and integration with other control systems
- Future-proof, fully compatible with full NGI-5000 Ignition System
- Certified* for use in Class I, Division 2, Group C and D hazardous operating areas

The NGI-5000 Logic Module developed for use with the full NGI-5000 Advanced Large Gas Engine Ignition System can upgrade for existing CPU-2000 ignition systems. Retention of this same module in a complete NGI-5000 installation allows for a cost-effective, two-step system upgrade

engine RPM, and ignition timing. The second display is generally configured to provide access to all other relevant system data and configuration details. In addition to supporting industrystandard Modbus RTU, the NGI-5000 Logic Module also incorporates an integral Ethernet switch, and provides a port for connection to external systems via Modbus TCP, the AWI tool, or other Ethernet-based protocols.

Replacement of the existing CPU-2000 Logic Module with the NGI-5000 Logic Module is simple. The enclosure, mounting pattern, and wiring-including the use of the same pluggable terminal blocks and terminal layout—is retained in the NGI-5000 Module. All system configuration is accomplished through the AWI - no external terminal program is required.

The NGI-5000 Logic Module is certified* for use in Class I, Division 2, Group C and D hazardous areas.

* Final certification of system pending with NRTL. Expected completion in Q2, 2023



Specifications

INPUTS

Magnetic Pickups (2)

- 1 Flywheel holes or ring gear teeth
- 1 Reset (1/engine revolution)
- 1 Hall-effect pickup for compression stroke reference (4-cycle applications only)

Timing Control Inputs

Analog:4-20mA control signal Communications: ModBusRTU / ModBusTCP Manual:....Logic Module keypad, Misc.Input terminal RS-485 serial communications - ModBusRTU communications 10/100 Ethernet - ModbusTCP, etc.

DISPLAY

Dual, 7", full HD (1080P), sunlight-readable, 900 nits

POWER REQUIREMENTS

24 Vdc, 5 Amps max.

TEMPERATURE

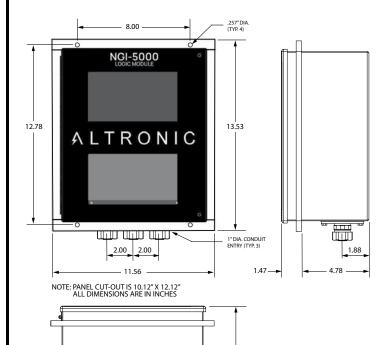
- -40° F. to +158° F.
- -40° C. to +70° C.

ORDERING INFORMATION

NGI-5000 Logic Module291500-1

See CPU-2000 application list for further details.

Logic Module Dimensions





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