



C3i/o

Configurable CEMS Controller



C3i/o, Configurable CEMS Controller with inputs and outputs, is designed to support and control one Continuous Emissions Monitoring System (CEMS) using a low cost, fully featured platform that's simple to configure and easy to operate. The CEMS can be a dilution system, an extractive system or a hybrid combination of both.

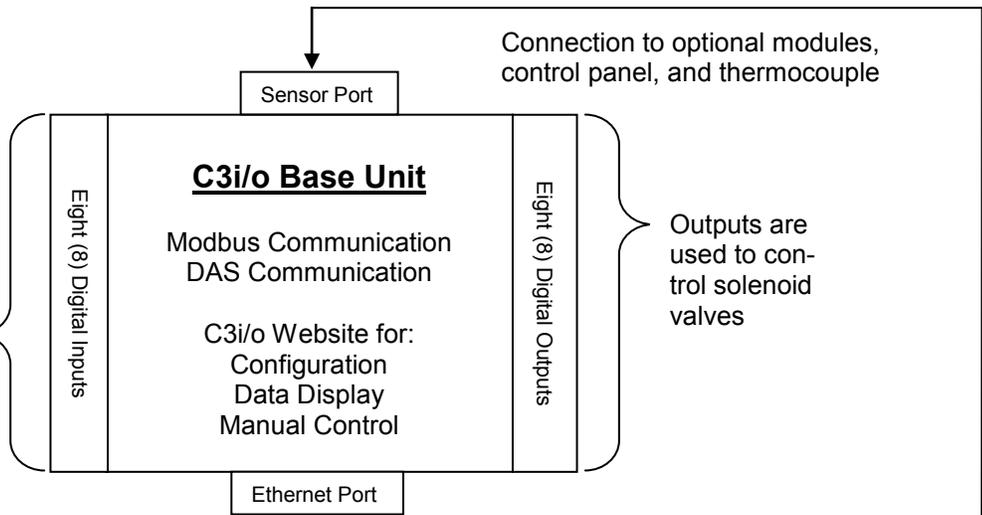
Starting with the hardware, C3i/o offers a scalable solution that includes a base unit with digital inputs and outputs which can be combined with optional modules to provide analog inputs and outputs and Form C relay outputs. In addition, an optional Control Panel can be included with C3i/o to provide manual control of the CEMS using a rack mounted set of switches and status LEDs. Lastly, a thermocouple is provided with each C3i/o system to monitor ambient temperature at the CEMS location.

The base unit also supports Modbus communications to connect with TML's analyzers and the plant control system and hosts a local website that allows users to view data, manually control the CEMS, and configure the controller. For data collection and reporting, the base unit forms 1-minute averages that can be sent to any Modbus based data acquisition system (DAS) or to Teledyne Monitor Labs' RegPerfect® DAS.

- Online Data Viewing, CEMS Control, and Configuration
- Modbus Host for Data Collection
- Simple to Configure
- 30 Days Data Buffering with RegPerfect® Software
- Optional Control Panel
- Up to 8 Digital Inputs and 8 Digital Outputs
- Up to 8 Analog Inputs and 4 Analog Outputs
- Ethernet Port for Communication



Inputs are used to monitor CEMS faults and miscellaneous inputs



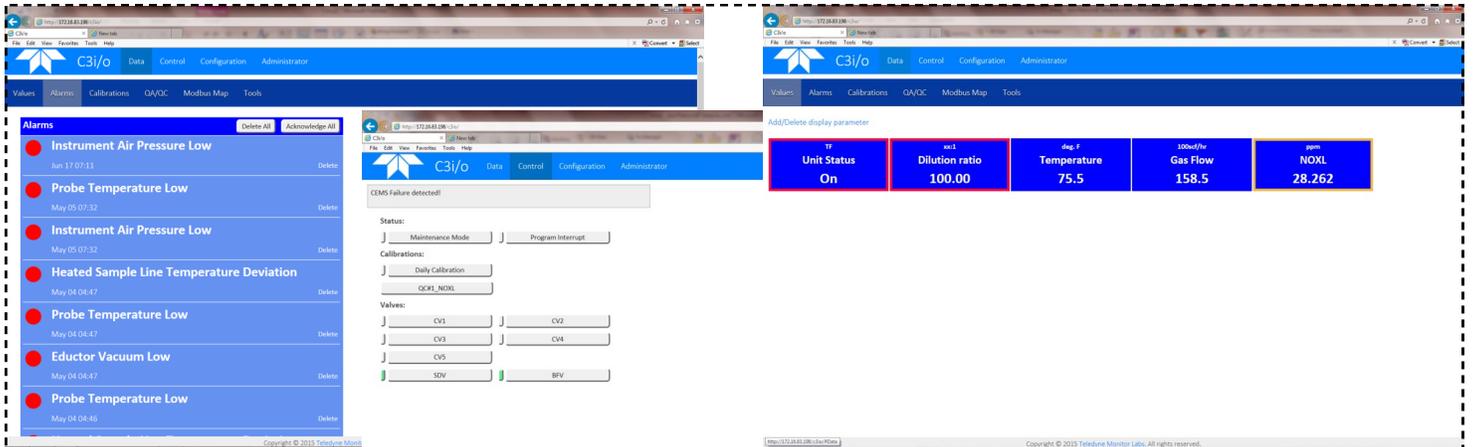
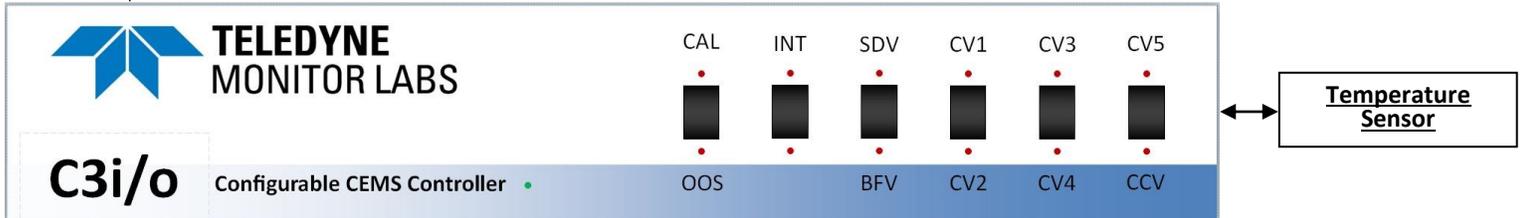
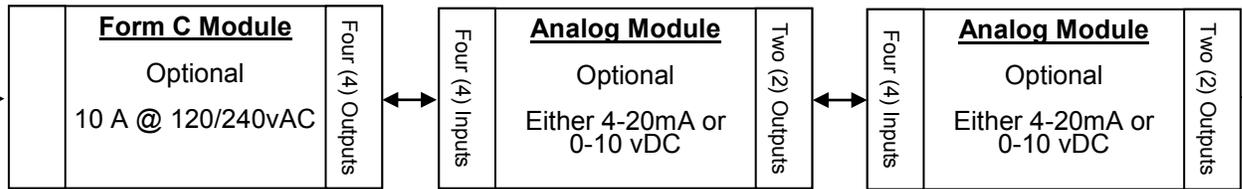
Connection to optional modules, control panel, and thermocouple

Outputs are used to control solenoid valves

Modbus communication to TML's sensor-e® Analyzers, Distributed Control System (DCS), or Modbus based DAS (by others)

Proprietary communication to TML's RegPerfect DAS with data buffering feature

Desktop/Laptop/Tablet to view C3i/o Website



C3i/o Website Interface



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