



# 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.

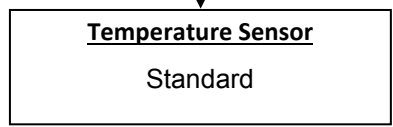
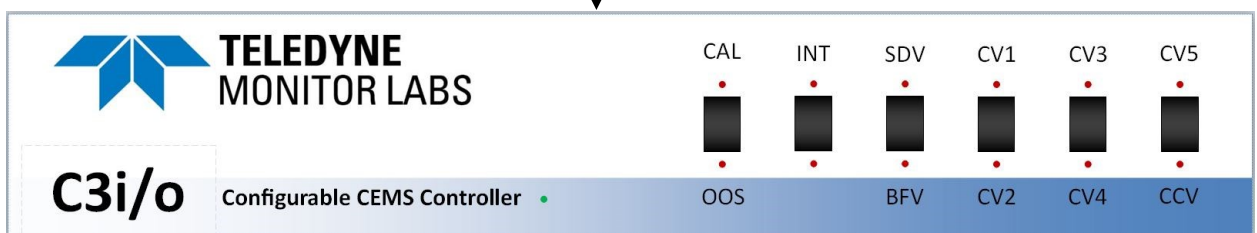
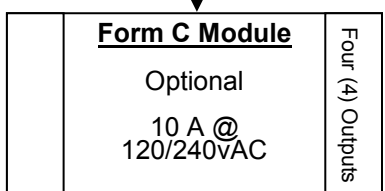
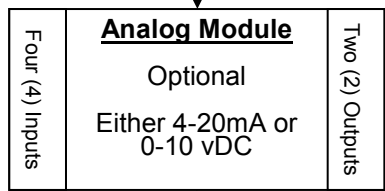
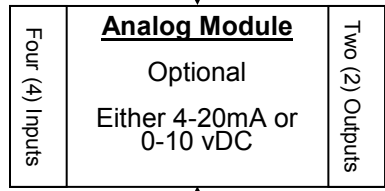
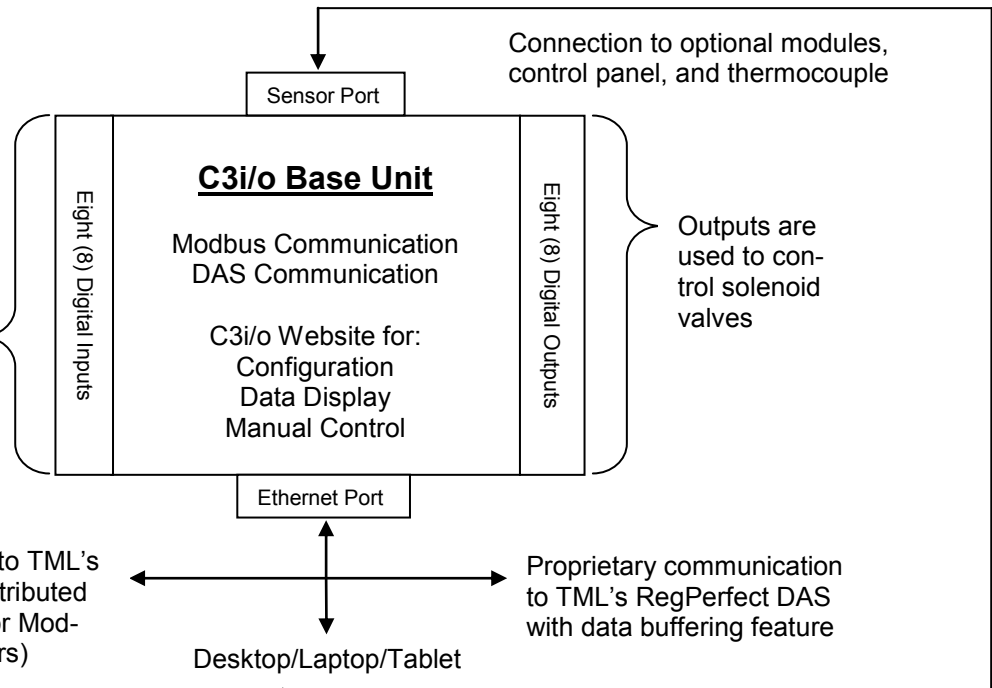
Starting with the hardware, C3i/o offers a scalable solution that includes a base unit with digital inputs and outputs which can be combined with optional modules to provide analog inputs and outputs and Form C relay outputs. In addition, an optional Control Panel can be included with C3i/o to provide 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 DAS
- 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



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