ABB MEASUREMENT & ANALYTICS | DATA SHEET

I/O applications

Flow computers & remote controllers

Overview

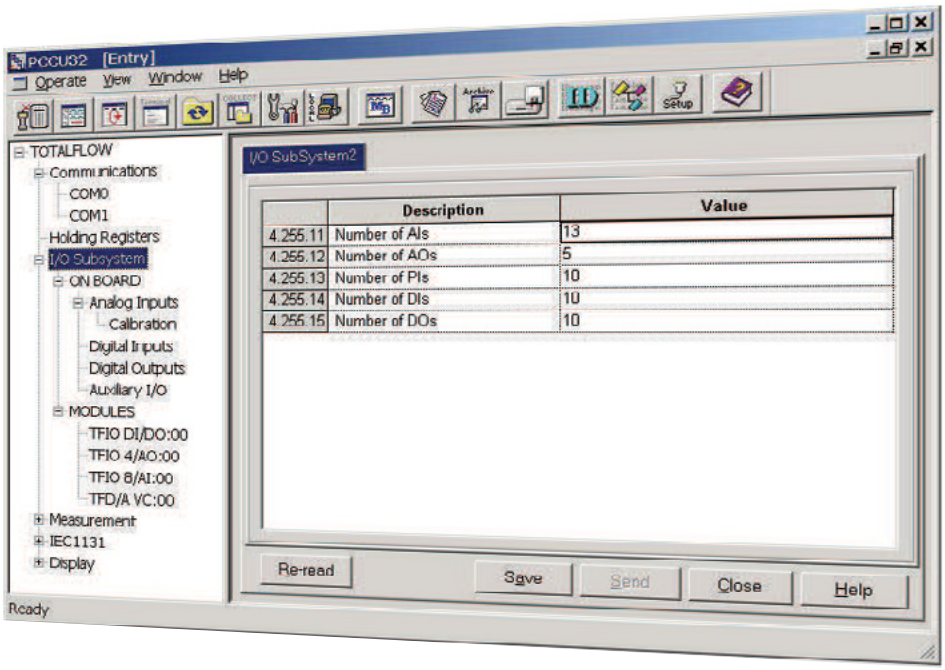
Input Output (IO) Application provides an environment to automatically recognize and configure TFIO modules (as well as support on-board I/O) to the XSeries/*X*CORE products.

Features

- Automatically recognize and configure TFIO modules on I^2C bus.
- Support on-board I/O.
- Efficient IO protocol between the modules and the main electronics board.
- Control module LEDs to save power and provide diagnostics.
- Support up to 8 instances of each module type.
- Automatically scales channels into desired units based on user entered calibration data.
- Currently supported modules include:
- Analog Input, 8 channel
- Analog Output, 4 channel
- Digital I/O, Pulse,8 channel
- Valve Control, 2 DO, 4 DI/DO/DO, 1 AO
- Communication, RS232/RS485
- Millivolt Input, TC, 4 channel
- Millivolt Input, RTD, 4 channel

Benefits

- Hardware functionality of XSeries/*X*CORE devices can be extended in a flexible and simple way by adding modular IO as needed.
- Totalflow's TFIO modules are designed to accommodate low power, harsh environments at economical cost.


PCCU32 [Entry]
Operate View Window Help
TOTALFLOW
Communications
COM0
COM1
Holding Registers
I/O Subsystem
ON BOARD
Analog Inputs
Calibration
Digital Inputs
Digital Outputs
Auxiliary I/O
MODULES
TFIO DI/DO:00
TFIO 4/AO:00
TFIO 8/AI:00
TFD/A VC:00
Measurement
IEC1131
Display
I/O SubSystem2
Description
Value
4.255.11 Number of AIs 13
4.255.12 Number of AOs 5
4.255.13 Number of PIs 10
4.255.14 Number of DIs 10
4.255.15 Number of DOs 10
Re-read
Save
Send
Close
Help
Ready

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