Unitronics PCOM Binary Master Serial & TCP/IP Communication Drivers

Information Sheet for Crimson v2.0

Compatible Devices
Unitronics serial and TCP/IP slave devices supporting the PCOM Binary Protocol.

Verified Devices
Vision 350 Color OPLC

Parameter Access

This driver provides access to Data Tables defined in the Unitronics device. Data Tables must also be configured within the Crimson 2.0 database. This is accomplished by clicking on the "Manage" button in the device configuration. Please ensure that each Data Table and Column Data Type defined in the Crimson 2.0 database is consistent in size to that configured in the Unitronics database as correct data transfer is dependant upon it. Note: Crimson 2.0 arrays assume 1 element per data table cell. String arrays are not supported. Refer to the table below for compatible data types.

Red Lion Column Data Type	Compatible Unitronics Data Type
Bit	Boolean of 1 element only
Byte	Boolean of up to 8 elements
	Byte
Word	Boolean of 9 to 16 elements
	Byte of 2 elements
	Integer
	Unsigned integer
Long	Boolean of 25 to 32 elements
	Byte of 4 elements
	Integer of 2 elements
	Long
	DW
Real	Float
User Defined	String *
	Boolean elements consistent with size
	Byte elements consistent with size

* Crimson 2.0 tag string length should be set to a value of at least 80.

After a table is created, it will appear in the address selection dialog box.
Note: If tables/columns are created and/or edited after mapping has begun in the database, it is recommended that the "Validate All Tags" utility located in the "Tags" category is run to update existing mappings.

Note: Columns of a data table that is defined as "Part of project" within the Unitronics configuration should not be created within the Crimson 2.0 database.

Revision History

03/25/09 – v1.00+ - Created

Cable Information

Serial

Red Lion RS485 Port	Vision 350 Port 1
Pin 1	Pin 1 – A
Pin 2	Pin 6 – B
Pin 6	Pin 5 - GND

Ethernet

Standard 10-Base-T Ethernet Cable