

MTS Modbus

Information Sheet for Crimson v2.0

Compatible Devices

- Any device using standard Modbus

Verified Device

- Red Lion Controls Modular Controller, and G3xx Modbus Slave

Driver Features

The device drop number range is 0 to 300. For drops 256 to 300, the A selection (Actual Device Address) will appear. For communication with a device with these drop numbers, the A item must be programmed and assigned a valid Modbus address at runtime. Only values in the range 0 to 255 will be accepted by the driver. In all other respects, the driver is configured in the same way as the G3's Modbus Universal Master.

This feature provides the operator the ability to set the target drop of a device, or devices, when performing system set-up.

VERY IMPORTANT!

This driver is intended solely for those using a fixed database in multiple locations, where the installed G3 may be communicating with devices with drop numbers that are unknown at the time of configuration.

It is crucial that the drop number assignment be done while no other communications are attempted. Timeouts associated with failing communications can cause significant delay in rewriting the drop number to another value. Therefore changing device numbers, other than at set-up, is strongly discouraged.

It is suggested that, after the entry of a drop number, the database attempt a read of a single value from that desired device, returning to the set-up page if the entry proves incorrect.

Cable Information

- Connection schemes vary among devices. Refer to Red Lion Controls port specifications, and the specifications of the attached devices.