Modbus

Agrowtek's intelligent sensors, pumps and relays with a digital GrowNET™ port feature the MODBUS RTU protocol for easy integration with PLC and other OEM control applications.

GrowNET™ devices can be networked together using HX8 device hubs, and interfaced with a RS-485 using the LX2 ModLINK™ serial adapter.

MODBUS is a popular industrial communication protocol operating on a serial bus topology and using standardized commands to read and write data from devices. Each device can be assigned a unique address between 1-247.

Available Devices

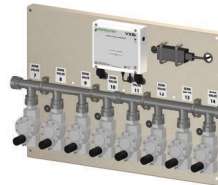| Climate Sensors	Outlet Relays	Irrigation Valve Controller	LX Link Modules

Hydroponics Sensors	Wet & Dry Contacts	Irrigation Panels	GrowNET™ Hub

Motor Controllers

Weather Sensors

Dosing Pumps

DIN Rail I/O
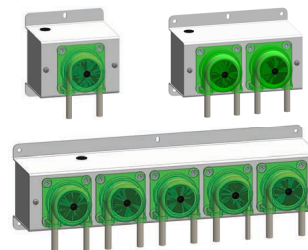
MODBUS Data

Sensor Data
Integer & Floating Point

Calibration
Zero, Span & Analog Output

Relays
Read/Write Coils, Closure Count

Dosing Pumps
Read/Write Speed, Motor Hours

Manufacturing Data
Serial No., DOM, HW/FW Rev

MODBUS Specifications

RTU MODBUS RTU protocol

2-Wire RS485 Half Duplex
9,600 - 115,200 Baud

Programmable Baud & Serial Format
with LX1 USB AgrowLINK™

Most devices powered over RJ45 port
for single cable installation

Installation Example

LX2