

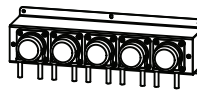

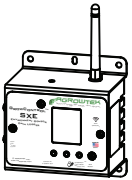
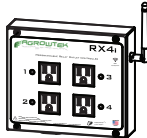
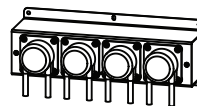



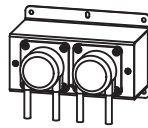

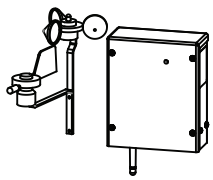

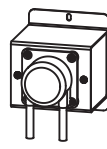







Agrowtek's intelligent sensors, pumps and relays with a digital GrowNET™ port feature the MODBUS RTU protocol for easy integration with PLC and other OEM control applications. GrowNET devices can be networked together using HX8 device hubs, and interfaced with a RS-422/RS-485 using the LX2 ModLINK serial adapter. MODBUS is a popular industrial communication protocol operating on an RS422/485 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.







Sensors	Relays	Peristaltic Pumps	Accessories
 SXH Hydro Sensor	 RX1i Controlled Outlet	 AD5i Penta Pump	 HX8 GrowNET Hub
 SXE Environment Monitor	 RX4i Controlled Outlets	 AD4i Quad Pump	 LX1 AgrowLINK™ USB GrowNET Bridge
 SXC Climate Sensor	 RD8i Controlled Relays	 AD2i Dual Pump	 LX2 ModLINK™ MODBUS GrowNET™ Bridge RS-485/RS-422
 SXW Weather Station	 MX1i AC & DC Fwd/Rev Motor Relay	 AD1i Single Pump	

MODBUS Data

- 
Sensor Data
Integer & Floating Point
- 
Calibration
Zero, Span & Analog Output
- 
Relays
Read/Write Coils, Closure Count
- 
Motors
Read/Write Speed, Motor Hours
- 
Manufacturing Data
Serial No., DOM, HW/FW Rev

MODBUS Specifications

- 
RTU MODBUS RTU protocol
- 
4-Wire RS422 Full Duplex
2-Wire RS485 Half Duplex
- 
Programmable Baud / Serial Configuration
9,600 115,200 baud rates
- 
Most devices powered over RJ45 port
for single cable installation

GrowNET Network Example

