

RD8i programmable dry-contact relay interface for HVAC signal control, solenoid and irrigation valve control, and contactor panel control for building electrical loads such as lighting, exhaust fans, etc..










Connects instantly to Agrowtek's master control systems or intelligent sensors via a GrowNET port for advanced automated control functions. Use as a stand-alone device with the optional WiFi module or USB AgrowLINK. GrowNET port accepts MODBUS RTU communication for PLC control.

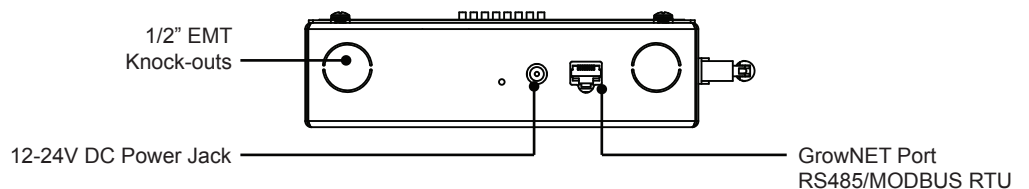
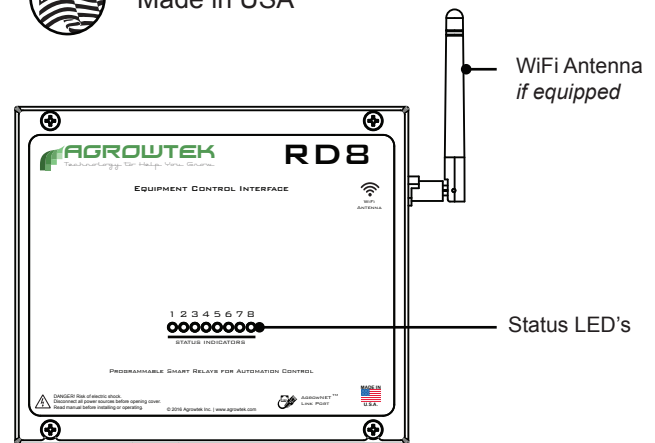
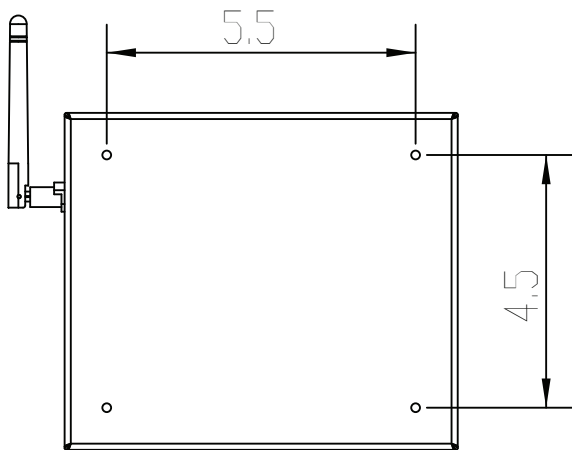
LED indicators on the front panel provide status of each relay. Rugged metal enclosure for wall mounting. Durable 20A relays and 10A screw terminal. Conduit knock-outs for easy electrical installation.

Flexible and reliable relay controller ideal for many applications.



**Features**

-  Eight independent N.O. dry relay contacts with LED status indicators
-  WiFi optional
-  24-120Vac, 24Vdc / 10A per relay
-  GrowNET™ Digital Communication Port
-  Electromechanical Independent Contacts
-  MODBUS RTU for industrial PLC applications 12-24Vdc
-  1-Year Warranty
-  Durable powder-coated steel enclosure
-  Made in USA



## Standard Applications



**Load Panel Contactor & Relay Control**  
Lighting & load control in buildings & greenhouses



**Dehumidifiers**



**HVAC Systems**  
24Vac heat, cool, fan, valve & other signals



**Exhaust & Circulation Fans**

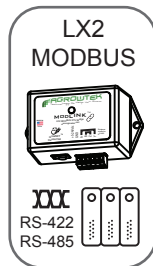
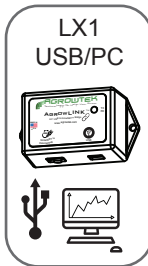
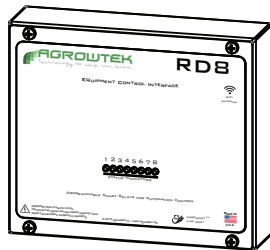


**Irrigation Solenoid Valves**



**Custom Equipment**

## Stand Alone

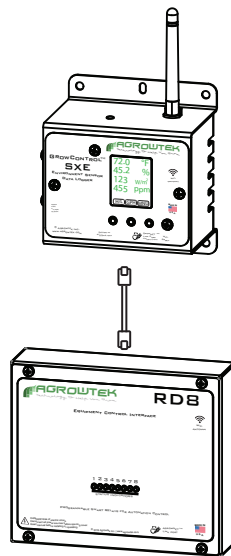


Connect a relay directly to a computer using the LX1 USB AgrowLINK and free PC software for manual control from a PC. *API and C# demo code available for custom applications.*

Add the WiFi option to control directly from any web browser.

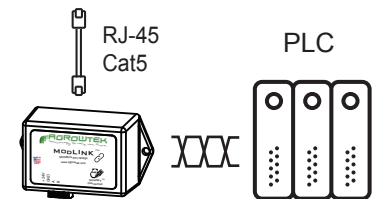
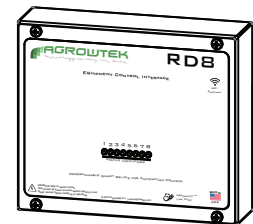
MODBUS for PLC control.

## Mini Controller



Connect the RD8i relay directly to Agrowtek's intelligent SXE climate sensors to create a basic environmental control system. Program relay contacts individually for temperature, humidity, or CO2 and cycle timer control. Uses the GrownET ports and a cross-over cable to link the devices together.

## Industrial PLC



LX2 ModLINK  
RS-422/485  
MODBUS RTU

Agrowtek's relays are convenient and easy to implement on PLC systems with MODBUS RTU for advanced addressable communication. Use HX8 GrownET™ hubs to network multiple devices to a PLC.

## Ordering Options

RD8i - W

WiFi Radio & Antenna

## Optional Accessories



**LX1**  
USB AgrowLINK  
GrownET Bridge



**LX2**  
MODBUS  
GrownET Bridge



**HX8**  
GrownET  
8-Port Hub