

Growers Choice - The ultimate solution for greenhouse zone control. This all inclusive unit saves time and money. Higher yields with less work. QCOM engineers design innovative greenhouse control and automation systems for optimal crop production and maximum cost savings. Growers Choice reduces operational costs by efficiently managing your greenhouse systems. The compact, "state of the art" unit gives you the power to automate your equipment like fans and foggers, whilst automatically varying your temperature and humidity according to your crops' specific needs. Affordable automation for unparalleled efficiency.

# Growers Choice

GrowersChoice reduces operational costs by efficiently managing your greenhouse systems. The compact, state-of-the-art unit gives you the power to automate your equipment like fans and foggers, while automatically varying your temperature and humidity according to your crops' specified needs. GrowersChoice controls the on/off equipment and makes proportional adjustments to curtains and vents. This optimizes your greenhouse environment 24/7 – without human intervention.

GrowersChoice also drastically reduces the need for greenhouse staff. With computerized command of your environmental control systems, you benefit from the flexibility of around the clock operation without the required labor. Combined with the cost savings of reduced water and energy loss, GrowersChoice is the ultimate solution when you are ready to automate your greenhouse.

## Basic Configuration

GrowersChoice comes with 6 relay outputs with expansion slots that support up to two additional modules, with 9 relay outputs per module. Each unit includes manual switches and status lights and one aspirated temperature sensor in a radiation shielded housing with 25 ft cable. Includes 8 analog and 3 digital input channels for sensors.

## Other Configurations Available

Multi-Zone Controller for independent control of up to 4 zones.

Irrigation Controller for specialized irrigation applications.

Fertilizer Controller for nutrient injection and control based on EC, pH and Flow.

Boom Controller for automatic booms.

## Affordable Greenhouse Control

The power of efficient greenhouse management in a compact, cost saving unit. GrowersChoice saves time and money by minimizing energy and water waste while helping you produce the best possible product; all with one, state-of-the-art controller.



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### Everything You Need For One Low Price

GrowersChoice comes packaged in a high quality, environmentally secure, white fiberglass enclosure. The unit is complete with pilot relays, manual override switches, LED status lights and an aspirated zone temperature sensor in an aspirated enclosure.

Simply mount the housing, plug it into a 115/220 VAC single-phase outlet and wire your equipment. Step-by-step instructions and excellent documentation are included so your system can be up and running in less than one day.

### Technology to Optimize Your Production

Automating your greenhouse environment is crucial for your business. You simply cannot remain competitive without applying the efficiency and cost advantages of today's technology to your business. GrowersChoice makes technology accessible, affordable and easy to use.

Programming the unit is easy. Simply use the built-in keypad and the menu-driven on-screen interface. A full range of optional sensors including soil, water, bottom heat, CO2 and weather let you customize the system to fit your needs.

GrowersChoice is easy to install, operate and maintain. When your operations expand, any number of GrowersChoice units can be connected to and managed by a host computer.

### Additional Products for Enhanced Functionality

Programmable Auto-Dialer for alarms and remote notification.

Host computer with graphical software for networking and integration of Growers Choice controllers, historical data collection and real time graphs and trends.

Interface software to wireless devices (PDA 's, cell phones, pagers).

Network and Internet access interface.

### Mechanical/Electrical Specifications

NEMA 4 Enclosure, 4 line, 40 characters per line LCD display, 20-keytouch keypad.

Shipping weight: 17 lbs.

Power input: 115/230 VAC  
24 VAC optional

### Key Features

Temperature readings to 0.1° F.

Digital display updated every 2 seconds.

Program up to 4 separate set-point time periods per day.

Drive to set-point for cooling and heating control.

Anticipatory or PID control for heat valves.

Powerful dehumidification control capabilities.

Independent bottom heat control.

CO2 sensing and control.

HID light control.

Multiple misting and irrigation control options.

Equipment overrides based on weather station data.

Programmable or manual overrides.

### Optional Sensors

Humidity (0 - 99%, +/-3% accuracy).

Outside temperature (-30 - 130°F).

Soil temperature (32 - 160°F).

Hot water temperature up to 225°F.

CO2 up to 10,000 ppm.

Rain detection.

Wind speed (0-100 mph).

Wind direction.

Light (PAR or solar).

English or metric units are selectable.



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