

GREENHOUSE
TECHNOLOGY
INC.

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LT DOUBLE RAIL BOOM (Light) ST DOUBLE RAIL BOOM (Standard)

Boom



GTI ST Double Rail Boom

The **GTI LT** and **ST Double Rail Boom** models are the most cost effective double rail booms we offer. These booms are designed for smaller greenhouses. With maximum bay sizes of up to 36' X 300' 1 boom can water up to 1/4 of an acre of greenhouse.

The LT and ST models have the features that growers need and at a price that they can afford.

- Light and Standard Models
- Booms Designed for:
 - Shorter Bays
 - Narrower Bays
 - Narrower Truss Spacing
- Hot Dipped Galvanized Frames
- Variable Speed DC Motors
- Reliable Magnet Read Switch Sensors
- Break Away Frame Design for Collision
- Schedule 80 Plumbing Assemblies
- Chain Driven
- Telescopic Spray Arm Support for Spray Bar Height Adjustability

LT DOUBLE RAIL BOOM (Light) ST DOUBLE RAIL BOOM (Standard)

LT Double Rail Boom (Light):

Max. Bay Width: 28'

Max. Bay Length: 260'

- 21 1/2" Center to Center Rail Spacing
- 1 5/8" SS40 Rail
- Hot Dipped Galvanized Frame
- Walk Through Design
- Break Away Spray Bars for Collision Alarm Support
- Chain Drive
- Standard Keeper Bearings
- 1/8 HP DC Motor
- Standard Pencil Read Switches for
 - Motion
 - Collision
 - Home (Crop Reverse)
 - Away (Crop Forward)
 - Skip (Index)
- 1 5/8" GTI 6 Wheel Trolleys
- 3/4" Plumbing (Sch. 80 PVC)
- 3/4" Hose
- 3/4" Aluminum Spray Bars 14" Nozzle Spacing
- Spraying Systems XR Stainless Tips
- GTI or White Rail Brackets, Sleeves and Installation Hardware

ST Double Rail Boom (Standard):

Max. Bay Width: 36'

Max. Bay Length: 300'

- 33 1/2" Center to Center Rail Spacing
- 1 5/8" SS40 Rail
- Hot Dipped Galvanized Frame
- Walk Through Design
- Break Away Spray Bars for Collision Alarm Support
- Chain Drive
- Heavy Duty Keeper Bearings
- 1/8 or 1/4 HP HP DC Motor
- Heavy Duty Block Read Switches for
 - Motion
 - Collision
 - Home (Crop Reverse)
 - Away (Crop Forward)
 - Skip (Index)
- 1 5/8" GTI 6 Wheel Trolleys
- 1" Plumbing (Sch. 80 PVC)
- 1" Hose
- 1" Aluminum Spray Bars
- 14" Nozzle Spacing
- Spraying Systems XR Stainless Tips
- GTI or White Rail Brackets, Sleeves and Installation Hardware



GTI ST Double Rail Boom

Options:

- Dual Water/Mist Option
- Portable Injector Frame Option
- Fixed Injector Option
- Hose Bib Option
- Hose Sweep Option
- 600 PSI Chemical Application Option (Summer 02)
- Bay Switching Option

HD DOUBLE RAIL BOOM (Heavy Duty) EX DOUBLE RAIL BOOM (Extreme Duty)



GTI HD Double Rail Boom

The **GTI HD** and **EX Double Rail Boom** models are the toughest double rail booms we offer. These booms are designed for larger greenhouses and also for high usage propagation and plug production applications. With maximum bay sizes of 50' X 600' 1 boom can water up to 3/4 of an acre of greenhouse.

The HD and EX models have many upgrades including stronger, wider frames, larger motors, heavy duty trolleys, heavier bearings and larger diameter rail support.

- 2 Heavy Duty Models
- Booms Designed for:
 - Long Bays
 - Wide Bays
 - Wide Truss Spacing
 - 24/7 Propagation
- Hot Dipped Galvanized Frames
- Variable Speed DC Motors
- Reliable Magnet Read Switch Sensors
- Break Away Frame Design for Collision
- Schedule 80 Plumbing Assemblies
- Chain Driven
- Telescopic Spray Arm Support for Spray Bar Height Adjustability

HD DOUBLE RAIL BOOM (Heavy Duty) EX DOUBLE RAIL BOOM (Extreme Duty)

HD Double Rail Boom (Heavy Duty):

Max. Bay Width: 42'

Max. Bay Length: 440'

- 33 1/2" Center to Center Rail Spacing
- 2 1/2" 12 Gauge Rail
- Hot Dipped Galvanized Frame
- Walk Through Design
- Break Away Spray Bars for Collision Alarm Support
- Chain Drive
- Heavy Duty Keeper Bearings
- 1/4 HP DC Motor
- Heavy Duty Block Read Switches for
 - Motion
 - Collision
 - Home (Crop Reverse)
 - Away (Crop Forward)
 - Skip (Index)
- 2 1/2" GTI 6 Wheel Trolleys
- 1" Plumbing (Sch. 80 PVC)
- 1" Hose
- 1" Aluminum Spray Bars 14" Nozzle Spacing
- Spraying Systems XR Stainless Tips
- GTI HD Rail Brackets, Sleeves and Installation Hardware

EX Double Rail Boom (Extreme Duty):

Max. Bay Width: 50'

Max. Bay Length: 600'

- 44" Center to Center Rail Spacing
- 2 1/2" 12 Gauge Rail
- Walk Through Design
- Break Away Spray Bars for Collision Alarm Support
- Chain Drive
- Heavy Duty Keeper Bearings
- 1/3 HP DC Motor
- Heavy Duty Block Read Switches for
 - Motion
 - Collision
 - Home (Crop Reverse)
 - Away (Crop Forward)
 - Skip (Index)
- 2 1/2" GTI 6 Wheel Trolleys
- 1" or 1 1/4" Plumbing (Sch. 80 PVC)
- 1" or 1 1/4" Hose
- 1" Aluminum Spray Bars
- 14" Nozzle Spacing
- Spraying Systems XR Stainless Tips
- GTI HD Rail Brackets, Sleeves and Installation Hardware



GTI HD Double Rail Boom

Options:

- Dual Water/Mist Option
- Portable Injector Frame Option
- Fixed Injector Option
- Hose Bib Option
- Hose Sweep Option
- 600 PSI Chemical Application Option (Summer 02)
- Bay Switching Option

LT TRUSS BOOM (Light) HD TRUSS BOOM (Heavy Duty)



GTI HD Truss Boom

GTI LT and **HD Truss Booms** are the toughest and most versatile booms we offer. There are (2) models to choose from. You can choose the Truss Boom that is right for your greenhouse size and the purpose the boom is intended.

- Choice of 2 Models
- Hot Dipped Galvanized Frames
- Variable Speed DC Motors
- Reliable Magnet Read Switch Sensors
- Schedule 80 Plumbing Assemblies
- Chain driven
- Telescopic Spray Arm Support for Height Adjustability
- Additional Use as Platform for Maintenance Above
- Option for Picking Up and Moving Dutch Trays

TRUSS BOOM LT (LIGHT) / HD (HEAVY DUTY)

LT Truss Boom (Light):

Max. Bay Width: 30'

Max. Bay Length: 300'

- 2" X 3" 14 Gauge Rectangular Boom Rail or 2 1/2"
- 1 5/8" SS40 Hose Rail
- Rail Width Determined by Bay Width
- Hot Dipped Galvanized Frame
- 8" Web Depth
- Walk Through Design
- Chain Drive
- Heavy Duty Keeper Bearings
- 1/4 HP DC Motor
- Heavy Duty Block Read Switches for
 - Motion
 - Collision
 - Home (Crop Reverse)
 - Away (Crop Forward)
 - Skip (Index)
- 1 5/8" GTI 6 Wheel Trolleys
- 1" Plumbing (Sch. 80 PVC)
- 1" Hose
- 3/4" Aluminum Spray Bars
 - 14" Nozzle Spacing
 - Spraying Systems XR Stainless Tips
- GTI or White Rail Brackets, Sleeves and Installation Hardware

HD Truss Boom (Heavy Duty):

Max. Bay Width: 50'

Max. Bay Length: 600'

- 2" X 4" 12 Gauge Rectangular Boom Rail
- 1 5/8" SS40 Hose Rail
- Rail Width Determined by Bay Width
- Hot Dipped Galvanized Frame
- 16" Web Depth
- Walk Through Design
- Chain Drive
- Heavy Duty Keeper Bearings
- 1/3 HP DC Motor
- Heavy Duty Block Read Switches for
 - Motion
 - Collision
 - Home (Crop Reverse)
 - Away (Crop Forward)
 - Skip (Index)
- 1 5/8" GTI 6 Wheel Trolleys
- 1" Plumbing (Sch. 80 PVC)
- 1" or 1 1/4" Hose
- 1" Aluminum Spray Bars
 - 14" Nozzle Spacing
 - Spraying Systems XR Stainless Tips
- GTI Rail Brackets, Sleeves And Installation Hardware



GTI LT Truss Boom

Options:

- Table Lift Option
- Dual Water/Mist Option
- Portable Injector Frame Option
- Fixed Injector Option
- Hose Bib Option
- Hose Sweep Option
- 600 PSI Chemical Application Option (Summer 02)

SINGLE RAIL BOOM



Boom

The **GTI Single Rail Boom** is our economy boom. This boom is designed to be easy to install and extremely cost effective for smaller greenhouse bays. This boom waters the full width of the bay only.

- Zinc Plated and Hot Dipped Galvanized Frame
- Variable Speed DC Motor
- Reliable Magnet Read Switch Sensors
- Break Away Frame Design for Collision
- Chain driven
- Telescopic Spray Arm Support for Spray Bar Height Adjustability

SINGLE RAIL BOOM

Max. Bay Width: 28'

Max. Bay Length: 240'

- 1 Rail Centered or Slightly Off-Centered
- 1 5/8" SS40 Rail
- Zinc Plated and Hot Dipped Galvanized Frame
- Walk Through Design
- Break Away Spray Bar(s) for Collision Alarm Support
- Chain Drive
- 1/14 HP DC Motor
- Heavy Duty Block Read Switches for
 - Motion
 - Collision
 - Home
 - Away
 - Skip
- 1 5/8" GTI 6 Wheel Trolleys
- 1" Plumbing (Sch. 80 PVC)
- 1" Hose
- 1" Aluminum Spray Bar(s)
 - 14" Nozzle Spacing
 - Spraying Systems XR Stainless Tips
- GTI or White Rail Brackets, Sleeves and Installation Hardware

Options:

- Dual Water/Mist Option
- Hose Bib Option
- Hose Sweep Option
- 600 PSI Chemical Application Option (Summer 02)
- Bay Switching Option



GROUND RUNNER BOOM

Boom



The **GTI Ground Runner** Boom is our first solution to outdoor watering. When irrigation outdoors has to be uniform the **Ground Runner** is the solution.

- Hot Dipped Galvanized Frame
- Variable Speed DC Motor
- Reliable Magnet Read Switch Sensors
- Schedule 80 Plumbing Assemblies
- Chain driven

GROUND RUNNER BOOM

Max. Area Width: **55'**

Max. Area Length: **400'**

- 33 1/2" Center to Center Rail Spacing
- 2 1/2" 12 Gauge Round Rail
- Hot Dipped Galvanized Frame
- Standard Keeper Bearings
- 1/3 HP DC Motor
- Heavy Duty Block Read Switches for
 - Motion
 - Home
 - Away
 - Skip
- 1 1/4" Plumbing (Sch. 80 PVC)
- 1 1/4" Hose
- 1" Aluminum Spray Bars
 - 14" Nozzle Spacing
 - Spraying Systems XR Stainless Tips
- Galvanized Rail Stands, Sleeves and Installation Hardware



COMMON SENSE CONTROLLER



Boom
Controller

The **Common Sense Controller** is an advanced multi-crop boom controller. This controller offers the greatest range of capabilities available to growers. From watering several crops in a bay to the most demanding plug production and propagation requirements, the **Common Sense Controller** is up to the job.

- Designed and Developed with Growers Input.
- Major Innovations Incorporated
- Control 1 – 16 Crops in a bay
- Control Crops Manually, by Time Delay, GTI Boom Spooler or GTI G0-1 VPD Network Controller.
- True Edge Watering
- Economy of Movement (Level III)
- On Board Statistics
- Soft Home Position
- Separate Edit and Display Functions
- Temporary Program Changes (Reverts to old Program at mid-night)
- 1 Year Parts and Labor Warranty

COMMON SENSE CONTROLLER

Operating Modes (Methods):

- Delay Mode (Auto)
 - Up to 80 Crop Zones per Bay
 - Up to 16 Crops per Bay
 - Up to 6 Time Zones per Crop
 - Each Time Zone can be either Delay or Pass Based
 - 7 Day Watering Schedule
 - 3 Crop Priority Levels
- Pass Mode (Manual)
 - Up to 80 Crop Zones per Bay
 - Up to 16 Crops per Bay
 - Up to 99 Passes Per Crop
 - Each Crop With Its Own Speed and Pass Count.
- Remote Mode
 - Up to 80 Crop Zones per Bay
 - Up to 16 Crops per Bay
 - Controlled by:
 - Momentary Contact
 - GTI Boom Spooler
 - GTI GO-1 VPD Controller
- Test Mode
 - Test Boom Hardware
 - Speed Calibration
 - Pressure /Speed Control Settings
 - Clear Program Function
- Remote Mode
 - Momentary Contact

Hardware Features:

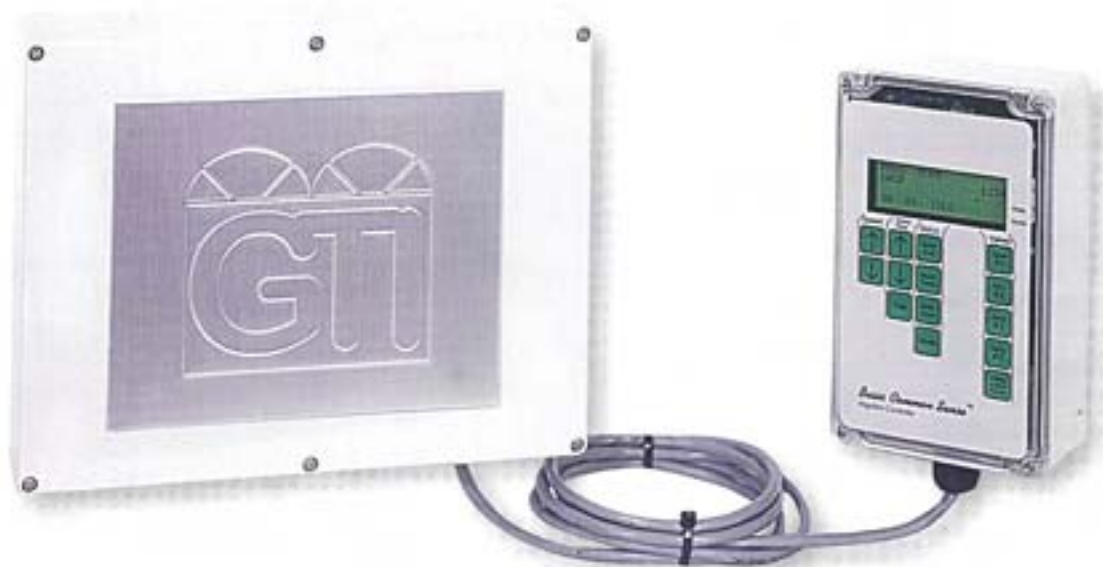
- Micro Processor w/ 16K Memory
- Battery Backup (5 Year)
- (4) Line (20) Column Display
- 24 Key Keypad (Industrial Design)
- DC Motor Control (Variable Speed)
- 2 Enclosures that Allow Keypad/Display Unit to be mounted at the Boom or Remotely.
- Nema 4 Enclosures of UV Stabilized Polycarbonate
- 4, 8 or 12 Solenoid Valves Supported
- Alarm Output (Normally Open or Normally Closed)
- Convertible to Basic Common Sense Controller
- Fusing for Board, Motor and Valves
- Support for Reliable Magnetic Read Switches
- Including Crop Forward, Crop Reverse, Index, Motion Alarm and Collision Alarm.
- Momentary Contact for Remote Start
- MOV For Surge Protection
- RS485 Network Interface



Software Features:

- Motion and Collision Alarm Detection
- Menu Driven Screens
- Display Functions to let you See What you Programmed.
- Common Sense Operation of Boom

BASIC COMMON SENSE CONTROLLER



Boom
Controller

The **Basic Common Sense Controller** is a single crop boom controller with built in flexibility. Learn to use this controller in 5 minutes to handle basic water or misting tasks. If your requirements change and more capability is needed, simply replace the front cover of the controller with a "Common Sense Cover". The controller automatically converts to a "**Common Sense Controller**." (Smart Controller)

- Simple to Use
- Converts Easily to Common Sense Controller
- Used for Basic Watering And Misting Requirements
- 1 Year Part and Labor Warranty

BASIC COMMON SENSE CONTROLLER

Operating Modes (Methods):

- Delay Mode
 - 1 Crop Zone per Bay
 - 1 Crop Per Bay
 - 1 Time Zone (Max. 240 Minute Delay)
- Pass Mode
 - 1 Crop Zone per Bay
 - 1 Crop Per Bay
 - 99 Passes Maximum
- Home and Away Modes
 - Moves the Boom to the Home or Away Position
 - (Valves and Boom Speed Controllable for Spot Watering.)
- Jog Forward and Jog Reverse Modes
 - Moves the Boom Backward or Forward
- Test Mode
 - Test Boom Hardware
- Remote Mode
 - Momentary Contact



Hardware Features:

- Micro Processor w/ 16K Memory
- Battery Backup (5 Year)
- (4) Line (20) Column Display
- 15 Key Keypad (Industrial Design)
- DC Motor Control (Variable Speed)
- 2 Enclosures that Allow Keypad/Display Unit to be mounted at the Boom or Remotely.
- Nema 4 Enclosures of UV Stabilized Polycarbonate
- 4 or 8 Solenoid Valves Supported
- Alarm Output (Normally Open or Normally Closed)
- Convertible to Common Sense Controller
- Fusing for Board, Motor and Valves
- Support for Reliable Magnetic Read Switches Including Home, Away, Skip Zone, Motion Alarm and Collision Alarm.
- Momentary Contact for Remote Start
- MOV For Surge Protection
- RS485 Network Interface

Software Features:

- Motion and Collision Alarm Detection
- Unlimited Skip Zones
- Intuitive Easy to Read Single Screen for Programming

BASIC/E CONTROLLER



Boom
Controller

The **Basic/E** (E = Economy) Controller is our value priced controller. However, the Basic/E is not short on features or quality. This controller is a single crop boom controller with the features growers need. Learn to use this controller in 5 minutes to handle basic watering or misting requirements.

- **Simple to Use**
- **Economical**
- **The Features you Need**
- **1 Year Part and Labor Warranty**



BASIC E CONTROLLER

Operating Modes (Methods):

- Delay Mode
 - 1 Crop Zone per Bay
 - 1 Crop Per Bay
 - 6 Time Zones (Max. 240 Minute Delay)
- Pass Mode
 - 1 Crop Zone per Bay
 - 1 Crop Per Bay
 - 99 Passes Maximum
- Home and Away Modes
 - Moves the Boom to the Home or Away Position
 - (Valves and Boom Speed Controllable for Spot Watering.)
- Jog Forward and Jog Reverse Modes
 - Moves the Boom Backward or Forward
- Test Mode
 - Test Boom Hardware
- Remote Mode
 - Momentary Contact



Hardware Features:

- Micro Processor w/16K Memory
- Battery Backup (5 Year)
- (1) Line (16) Column Display
- 9 Key Keypad w/ 5 LED Lights (Industrial Design)
- DC Motor Control (Variable Speed)
- 1 Enclosure for local control at the Boom
- Nema 4 Enclosure of UV Stabilized Polycarbonate
- 3 Solenoid Valves Supported
- Fusing for Board, Motor and Valves
- Support for Reliable Magnetic Read Switches Including Home, Away, Skip Zone, Motion Alarm and Collision Alarm.
- Momentary Contact for Remote Start
- MOV For Surge Protection

Software Features:

- Motion and Collision Alarm Detection
- Unlimited Skip Zones
- Easy to Use Menu System

GO-1 BOOM NETWORK CONTROLLER



Boom Network
Controller

The **GTI GO-1 Boom Network Controller** is a 16 boom network controller designed to meet the most demanding needs of propagators and plug producers. The **GO-1** incorporates patented VPD technology developed by Bob Oglevee and proven in the greenhouse industry over the past 20 years. The **GO-1** is a true network controller, not an interpreter box.



- Developed with Grower Input over 6 Years.
- The Standard for the Boom Industry
- Proven VPD Technology
- Superior Irrigation Control
- Anticipates the Irrigation Needs of Plants During their Rooting and/or Growth Cycle.
- Alarm Accumulation and Output
- System Redundancy For Mission Critical Applications
- Compatible with GTI Common Sense Boom Controller
- 1 Year Parts and Labor

GO-1 BOOM NETWORK CONTROLLER

Software Features:

- Crops Controlled by VPD (Vapor Pressure Deficit)
- Air Temperature, Leaf Temperature and Relative Humidity are used to determine the speed of moisture evaporation from the leaf surface.
- Maximum 132 unique crops per GO-1
(8 Booms X 16 Crops Per Boom = 132) or
(16 Booms X 8 Crops Per Boom = 132)
- Each Crop has a VPD Target, Crop Aging Model, Start Date and Optional Disable Model
 - 16 VPD Sensors Maximum
 - Controls Misting and Irrigation
 - Event and Alarm Logs
 - 2 Level Password Protection
 - Program Booms at the GO-1 Controller or Locally at each boom.
 - 16 Aging Models Available – Designed by the Grower
 - 16 Disable Models Available – Designed by the Grower.
- Max On Feature – User Defined Maximum Number of Booms on to not exceed pressure and flow Available.

Hardware Features:

GO – 1 (Master Controller)

- Intel 386SX Micro Processor w/ 16 or 32K Memory
- Multi-layer Board with Grounding Plane
- Battery Backup (5 Year)
- (16) Line (40) Column Display (Large)
- 25 Key Keypad w/ 5 LED Lights (Industrial Design)
- 2 RS485 Optically Isolated Local Serial Network Ports
- 1 RS485 Optically Isolated Personal Computer Network Port
- 1 RS232 Local Serial Port
- 1 JTAG Local Programming Port
- Nema 4 Enclosure of UV Stabilized Polycarbonate
- Support for up to 16 booms
- Support for up to 8 GO-A Boxes (16 VPD Sensors)
- Alarm Output (Normally Open or Normally Closed)
- Fusing for Board
- 24 Volts AC

GO – A (Analog Box)

- Micro-Processor Based
- Multi-Layer Board with Grounding Plane
- 8 Analog Inputs Maximum
(Supports 2 VPD Sensors)



- 4 Digital Inputs
- 1 RS485 Optically Isolated Serial Port
- 8 Dip Switch Block for Unique Addressing
- 24 Volt AC
- LED Lights for Power and Heart Beat
- 1 Year Parts and Labor Warranty

GTI VPD Sensor:

- Powder Coated Steel Construction
- Nema 4 Junction Box for Wiring
- Solid State Sensors
 - Leaf Temperature Sensor
 - Air Temperature Sensor
 - Relative Humidity Sensor
- Aspirated w/ 24 Volt Fan
- 1 Year Parts and Labor Warranty

Standard GO-1 Boom Network Controller (Includes):

- 1 – GO-1 Master Controller w/ Boom Control Software
- 1 – GO-A Analog Box
- 1 – VPD Sensor w/ 200' Cable

BOOM SPOOLER



Boom Network
Controller

The **GTI Boom Spooler** was the first of its kind designed and developed to meet the needs of plug growers and propagators. It is an innovative product that acts as an interpreter box accepting up to 16 - 24 volt valve relay inputs and sending corresponding crop commands to booms attached to its network. The Spooler allows smart booms to integrate with your existing environmental control computer at a crop level.

- **Designed and Developed with Growers Input**
- **Supports from 1 to 16 booms**
- **Universal Compatibility with Priva, Argus, Q-COM, Oglevee, etc..**
- **Economical**
- **Watering/Misting of Individual Crops Can be Environmentally Driven**
- **Alarm Function**
- **1 Year Part and Labor Warranty**

GTI BOOM SPOOLER

Hardware Features:

- Micro Processor
- (1) Line (3) Column Display
- Nema 4 Enclosure of UV Stabilized Polycarbonate
- 16 Inputs (24 Volt)
- Boom Alarm Output Relay
- RS485 Network Interface
- MOV For Surge Protection



Software Features:

- Converts up to 16 valve relay inputs to 16 crop commands.
- Displays crop command sent to all booms on the network
- Displays boom number in alarm and sends alarm output
- No programming necessary
- Powerful and easy to use.

BOOM SPOOLER



Boom Network
Controller

The **GTI Boom Spooler** was the first of its kind designed and developed to meet the needs of plug growers and propagators. It is an innovative product that acts as an interpreter box accepting up to 16 - 24 volt valve relay inputs and sending corresponding crop commands to booms attached to its network. The Spooler allows smart booms to integrate with your existing environmental control computer at a crop level.

- **Designed and Developed with Growers Input**
- **Supports from 1 to 16 booms**
- **Universal Compatibility with Priva, Argus, Q-COM, Oglevee, etc..**
- **Economical**
- **Watering/Misting of Individual Crops Can be Environmentally Driven**
- **Alarm Function**
- **1 Year Part and Labor Warranty**

GTI BOOM SPOOLER

Hardware Features:

- Micro Processor
- (1) Line (3) Column Display
- Nema 4 Enclosure of UV Stabilized Polycarbonate
- 16 Inputs (24 Volt)
- Boom Alarm Output Relay
- RS485 Network Interface
- MOV For Surge Protection



Software Features:

- Converts up to 16 valve relay inputs to 16 crop commands.
- Displays crop command sent to all booms on the network
- Displays boom number in alarm and sends alarm output
- No programming necessary
- Powerful and easy to use.

GO-1 IRRIGATION CONTROLLER



The **GTI GO-1 Irrigation Controller** is designed to meet the most demanding needs of propagators and plug producers. The GO-1 incorporates patented VPD technology developed by Bob Oglevee and proven in the greenhouse industry over the past 20 years.

- Developed with Grower Input over 20 Years
- Proven VPD Technology
- Superior Irrigation Control
- Anticipates the irrigation needs of Plants during their rooting and/or growth Cycle.
- Alarm Accumulation and Output
- 1 Year Parts and Labor Warranty

GO-1 IRRIGATION CONTROLLER

Software Features:

- Stations Controlled by VPD (Vapor Pressure Deficit)
- Air Temperature, Leaf Temperature and Relative Humidity are used to determine the speed of moisture evaporation from the leaf surface.
- Maximum 64 Valve Relays (Stations)
- Each Station has a VPD Target, Crop Aging Model, Start Date and Optional Disable Model
- 16 VPD Sensors Maximum
- Controls Misting and Irrigation
- Event and Alarm Logs
- 2 Level Password Protection
- 16 Aging Models Available – Designed by the Grower
- 16 Disable Models Available – Designed by the Grower.
- Max On Feature – User Defined Maximum Number of Valves on to not exceed pressure and flow Available.



Hardware Features:

GO – 1 (Master Controller)

- Intel 386SX Micro Processor w/ 16 or 32K Memory
- Multi-layer Board with Grounding Plane
- Battery Backup (5 Year)
- (16) Line (40) Column Display (Large)
- 25 Key Keypad w/ 5 LED Lights (Industrial Design)
- 2 RS485 Optically Isolated Local Serial Network Ports
- 1 RS485 Optically Isolated Personal Computer Network Port
- 1 RS232 Local Serial Port
- 1 JTAG Local Programming Port
- Nema 4 Enclosure of UV Stabilized Polycarbonate
- Support for up to 8 GO-A Boxes (16 VPD Sensors)
- Support for up to 4 GO-R Boxes – 64 Valves (Stations)
- Alarm Output (Normally Open or Normally Closed)
- Fusing for Board
- 24 Volts AC

GO – A (Analog Box)

- Micro-Processor Based
- Multi-Layer Board with Grounding Plane
- 8 Analog Inputs Maximum (Supports 2 VPD Sensors)
- 4 Digital Inputs
- 1 RS485 Optically Isolated Serial Port
- 8 Dip Switch Block for Unique Addressing
- 24 Volt AC
- LED Lights for Power and Heart Beat
- 1 Year Parts and Labor Warranty

GO – R (Relay Box)

- Micro-Processor Based
- Multi-Layer Board with Grounding Plane
- 16 Relay Outputs (Supports 16 Valves)
- 4 Digital Inputs
- 1 RS485 Optically Isolated Serial Port
- 8 Dip Switch Block for Unique Addressing
- 24 Volt AC
- LED Lights for Power and Heart Beat
- 1 Year Parts and Labor Warranty

GTI VPD Sensor

- Powder Coated Steel Construction
- Nema 4 Junction Box for Wiring
- Solid State Sensors
 - Leaf Temperature Sensor
 - Air Temperature Sensor
 - Relative Humidity Sensor
- Aspirated w/ 24 Volt Fan
- 1 Year Parts and Labor Warranty

Standard GO-1 Irrigation Controller Includes:

- 1 – GO-1 Master Controller w/Irrigation Control Software
- 1 – GO-A Analog Box
- 1 – VPD Sensor w/ 200' Cable
- 1 – GO-R Box (16 Valves)