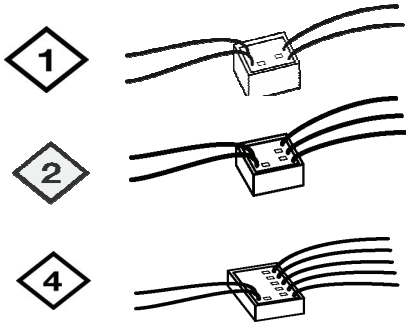


BASELINE - BaseStation 3200

Expandable up to 200 zones - Electric

Features

- Expandable up to 200 zones using two-wire and/or conventional wiring
- Supports up to 10 separate programs with 8 start times per program
- Non-volatile program memory and history data - no batteries required
- Supports up to fifteen (15) concurrent standard solenoids (including master valves)
- Supports up to four (4) master valves
- Flow sensing with up to four (4) flow meters
- Supports straight wire paths up to 8,000 ft/2,438 m and looped paths up to 15,840 ft/4,827 m
- Available in powder coated metal wall-mount or stainless steel pedestal enclosures with cabinet key lock
- Ruggedized exterior design with direct-sunlight viewable display
- Power Input: 120VAC 50/60Hz, Two-wire Output: 29.5VAC RMS



BASELINE - biCoderT

1, 2, and 4 zone

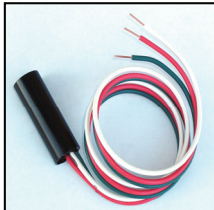
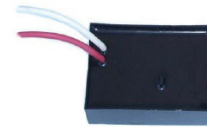
Features

- A unique address is assigned to each biCoder™ during the configuration process of the controller.
- Valves are actuated by a command from the BaseStation™ Controller.
- Diagnostic features - The biCoder™ measures the current used by each solenoid. Changes in this measurement can be used to determine failing solenoids.
- If a solenoid has failed, the biCoder™ senses an open circuit or an over current condition and shuts down the valve.
- Each biCoder™ will shut down if communication is lost to the BaseStation™.
- Each biCoder™ can drive a maximum of two valves on any wire.
- A biCoder™ can concurrently drive up to two valve wires (single valve biCoder™ excluded).
- Valve can be located up to 100 feet from the biCoder™.
- biCoder™ electronics are potted in chemical and waterproof compounds for protection from moisture and dirt.

BASELINE - Air Temperature Sensor

Features

- Provides a temperature shut off for the BaseStation™ 3000/5000/6000 systems when the air temperature drops below 38 degrees F.
- Accurately measures temperature from 20 degrees F to 110 degrees F with one degree resolution.
- The BaseStation™ 3000/5000/6000 systems each support a single Air Temperature Sensor.
- See BaseStation™ 3000/5000/6000 manual for specific Software installation and operating instructions.



BASELINE - Lightning Arrestor

Features

- Protects the biLine from excessive static charges created by lightning strike
- Connects directly to the biLine two-wire network for ease of installation
- Sealed and impervious to moisture, salts, fertilizers and mild chemicals

- Shock resistant
- Freeze/heat resistant (-20 to 60 C)
- No electrical contact with the soil
- Each Lightning Assestor protects a 300 foot radius

BASELINE - biLineT

How It Works

- Polyethylene double-jacketed or UF-B UL PVC double-jacketed two-conductor solid core designed for direct burial is laid between valve boxes and then to the Baseline BaseUnit™. The wire network is called the biLine™.
- A device called a biCoders™ is installed at each valve box to activate the valves. Each biCoder™ has a unique serial number and controller-assigned address which identifies it to the network.
- The BaseUnit™ sends commands along the biLine™. All the biCoders™ receive the message but only the appropriate biCoder™ responds and activates the attached valve or an attached biSensors™ reads the soil moisture and returns temperature and moisture data.



Wiring Sizes

Straight line configuration i.e. wire distance to the furthest device, no loop:

Wire size (gauge)	#18	#16	#14	#12	#10
Wire Length (ft)	500	900	1,500	2,500	3,700

Loop configuration:

Wire Size (gauge)	#18	#16	#14	#12	#10
Total Loop Wire Length (ft)	2,000	3,600	6,000	10,000	14,800
Distance to furthest valve	1,000	1,800	3,000	5,000	7,400



BASELINE - biSensorT

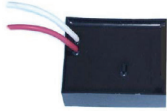
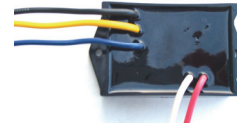
Features

- Measures soil moisture using patented modified TDT technology.
- Sensor is self calibrating for all soil types and conditions.
- Moisture range measurement from 5% moisture to fully saturated soil.
- Measures soil temperature.
- Moisture readings are consistent in salty conditions.

BASELINE - Water Flow biCoderT

Features

- Provides water flow monitoring for each circuit.
- Interfaces with standard flow sensors from Data Industrial or equivalent.
- Can be used with all sizes of water delivery systems (see sensor specifications later in this document).
- The BaseStation™ 3000/5000/6000 systems support multiple flow meters for better large site monitoring.
- See BaseStation™ 3000/5000/6000 manual for specific software installation and operating instructions.



BASELINE - Pause biCoderT

Features

- Compatible with all "switch" type sensors with normally closed contacts that open when a threshold has been reached.
- The BaseStation™ 3000/5000/6000 systems each support multiple Pause biCoders™, for rain and manual actuation.
- See BaseStation™ 3000/5000/6000 manual for specific software installation and operating instructions.

BASELINE - Watertec S100™

Features

- Automatic calibration based on soil moisture
- **Uses existing valve wires**
- Easy to read LCD display
- Easy moisture adjustment
- Rain sensor compatible

Benefits

- Eliminates over watering
- Saves time and water
- Improves landscape health and appearance
- Easy to install and operate
- Automatically adjusts for weather



BASELINE - Pump Start Relay biCoderT

Description

This biCoder™ is designed specifically to actuate a low current relay. When configured as a Master Valve, the BaseVision™ software will actuate this biCoder™ when water is needed.



BASELINE - Outside Operation Button

How it Works

The Outside Operation Button for the BaseStation™ 3000/5000/6000 systems provides a convenient way to pause watering from a field location that is remote from the computer. This button can be installed at any location where easy access to the biLine™ can be used for a connection.

Product	Description
BL-3200	BaseStation 3200, 2-wire controller, expandable up to 200 zones
BL-5201	1 Valve bi-Coder (direct bury)
BL-5202	2 Valve bi-Coder (direct bury)
BL-5204	4 Valve bi-Coder (direct bury)
BL-5303	Air Temperature Sensor: For use with BaseStation 6000 and 5000 for freeze pause and/or ET calculations, or with BaseStation 3000 for freeze pause
BL-LA01	Lightning Arrestor : Must be installed according to specifications to receive extended warranty
1801181	14/2 Decoder Cable 2500' Purple (biLine)
1801182	14/2 Decoder Cable 2500' Brown (biLine)
180160	12/2 Decoder Cable 2500' Black (biLine)
180166	12/2 Decoder Cable 2500' Brown (biLine)
180168	12/2 Decoder Cable 2500' Purple (biLine)
180137YE	16/2 Backbone Cable, Black 2500' (biLine backbone)
BL-5305	biSensor Soil Moisture Sensor - 5" Ribbon. Cannot be connected over conventional valve wires with R series products
BL-5315B	biSensor Soil Moisture Sensor - 1.5" "Stick". Compatible with all R series and two-wire products.
BL-5304	Water Flow Sensor/Meter biCoder: Interfaces a Data Industrial IR-Series or compatible flow sensor to the byline two-wire. Requires a flow meter or flow sensor, purchased separately
BL-5402	Pause biCoder interfaces with a standard "click" type rain, flow, wind, or pressure sensor to the biline. Must purchase a "click" type sensor separately—normally closed.
BL-WTS100KIT	WaterTec S100 Kit - Residential: Monitor, Sensor, operators manual
BL-5201PR	Pump Start biCoder: Relay switching biCoder—closes contacts on low voltage relay used to activate pump start relay. Requires 24VAC transformer (not included)
BL-5401	Outside Operation Button (Pause or manual operation): Allows users at remote locations to pause watering (aka "coach's button")