



Control System Upgrades & Sensors

Specifications

Sensor Input Kits for Satellite Controllers – Network VP® & Lynx® Smart Satellite

The Sensor Input Kits for Lynx Smart Satellite and Network VP deliver important field data to the superintendent's office. Relevant data is the foundation of informed decision making, whether the decision is made by a human or a computer. A satellite controller equipped with either of the two Sensor Input Kits can receive data from up to seven sensors. The satellite collects, stores, and delivers the data to Lynx, where it can be accessed by the superintendent on the Sensor Dashboard. Lynx also can respond automatically to changes to the irrigation system and changes in weather conditions. A Sensor Input Kit can help save the valuable resources of time and water, and help keep course conditions at their best.

A. Sensor Input Kit, B. Sensor Board, & C. Terminal Board for for Network VP

A.



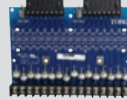
VP-SEN-BUNDLE

118-5487SK VP Timing Module – Sensor Compatible

B.



C.



VP-SEN-BRD-KIT

Sensor Input Kit for Lynx Smart Satellite



SMRT-SEN-BRD-KIT

Lynx® Sensor Alarms & Responses:

Automatically safeguard your course, eliminate water waste, and ensure efficient irrigation. Sensor alarms and responses can be easily configured in Lynx with numerous options for responses to alarm conditions.

Alarm & Response Examples: Pressure Sensor: Set alarm conditions and response for high and/or low pressure

- ✓ A text notification or email can be sent if pressure falls below a specified value

Rain Gauge: Prevent, suspend or adjust irrigation in the event of a measurable rain

- ✓ Lynx will account for measured rain hourly or daily and automatically apply a Rain Hold or adjust scheduled irrigation based on rain fall received

Temperature Gauge: Set alarm conditions and response for high and/or low air temperature

- ✓ Activate greens fans through a satellite switch output when air temperature exceeds the alarm value for a set duration
- ✓ Suspend irrigation when air temperature is near freezing

Switch Status: Set alarm conditions and response for changes in switch state

- ✓ Control pond or tank water level using level switches to trigger a pump or valve to transfer water, maintaining water level within a set range

Flow Meter: Set alarm conditions and response for high and/or low flow rate

- ✓ A satellite switch can be closed if a flow is out of tolerance, signaling the pump station to shut down



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Sensors

Sensor Input Kits can accept up to seven sensors; they are compatible with the following sensors:

- (1) Pressure sensor
- (1) Temperature sensor
- (5) Flow meter, rain gauge, or switch status

Satellites with Sensor Input Kits accommodate up to 56 station outputs:

- The Sensor Input Kit for Network VP® includes a sensor input board that replaces an eight station output board
- The Sensor Input Kit for Lynx® Smart Satellite is a module with eight station outputs and seven sensor inputs. Replaces a sixteen station output board.
- Lynx version 5.0 or later is required for Sensor Input Kits
- The Sensor Input Kit for Network VP includes a new Timing Module with faster processor, larger display, and expanded memory



Pressure Sensor

Approved Model: PRESS200-SEN-KIT
Pressure Sensor Kit: 0 – 200 PSI

Sensor Input Kit for Network VP

Model: VP-SEN-BUNDLE

- 118-5487SK: VP Timing Module, Sensor compatible

Sensor Input Kit for Lynx Smart Satellite

Model: VP-SEN-BRD-KIT: Sensor Board and Level 4 Terminal Board

Sensor Input Kit for Lynx Smart Satellite

Model: SMRT-SEN-BRD-KIT

Pressure Sensor Kit

Model: PRESS200-SEN-KIT

- 0 – 200 PSI
- ¼" – 18 NPT male thread



Temperature Sensor

Approved Model: TEMP-SEN-KIT
Temperature Sensor Kit

Recommended Models:



Flow Meter

Recommended Models:
Data Industrial® Series 200
or Bermad® 900 M Series



Rain Gauge – Tipping Bucket

Recommended Model:
Texas Electronics TR 525I



Radiation Shield for Temperature Sensor

Recommended Model:
Davis® #7714