



Electronic Sensors, Inc.

Model 9035 Tank Monitor II Controller

DESCRIPTION

The Tank Monitor II is a full feature, programmable liquid inventory monitoring and controlling system. It has a variety of input and output capabilities. It is ideal for those single tank applications needing a local display and/or remote monitoring capability via the optional modem. Pump control and high/low level alarms are also features of the Tank Monitor II.

OPERATION

The Tank Monitor II receives data from the sensor, and using this data along with programmed tank data, it calculates and displays the current level in user selectable units. It can accept a variety of inputs including analog, 4-20mA, voltage, and digital just to name a few. Output functions can be added to the controller including 4-20mA, relays, modem or satellite communications. Using the modem or satellite option, level information can be collected for automation of purchasing, billing, and/or level controlling. It can also be used to program or troubleshoot the Tank Monitor II via a phone line or the Internet.

SPECIFICATIONS

Monitoring Capability

1 tank

Operating Temperature

-20°F to 140°F

Modes of Operation

Run, Program, Print, Online

Input Power

120/240VAC

50/60 Hz

100 watts

Single phase

Display

Level: 6 digit LCD 0.7 inch high

Tank ID: 2 digit LCD 0.5 inch high

Modular Capacity

6 modules

Sensor Inputs

4-20 mA

Digital



Weight

10 lbs.

Dimensions

11.8 H X 7.3 W X 6.8 D (inches)

Enclosure

NEMA 4, 4X, 12, 12X

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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Level Devil
Bulk Inventory Management Systems

9035 Tank Monitor II

HOW TO ORDER

Model #	Description
9035A	Includes a digital input for <i>Level Devil System</i> ® Model 9025A Ultrasonic Sensor.
9035B	Includes industry standard 4-20mA input.
9035C	Includes a digital input for Level Devil System® Model 9025A Ultrasonic Sensor. Also includes two (2) relays for high/low level alarms, pump control, etc.
9035D	Includes industry standard 4-20mA input. Also includes two (2) relays for high/low level alarms, pump control, etc.
9035E	Includes a digital input for Level Devil System® Model 9025A Ultrasonic Sensor, and two (2) relays for high/low level alarms, pump control, etc. Also features isolated 4-20mA output.
9035F	Includes industry standard 4-20mA input, and two (2) relays for high/low level alarms, pump control, etc. Also features isolated 4-20mA output.
9035G	Includes a digital input for Level Devil System® Model 9025A Ultrasonic Sensor. Also, features isolated 4-20mA output.
9035H	Includes industry standard 4-20mA input. Also features isolated 4-20mA output.

OPTIONS

9023A-105 □ OCTAL BINARY INPUT

Eight switches/push-buttons may be connected to this module. The binary module determines the state (ON/OFF) of the switch/push-button and transmits this data to the Tank Monitor II to control a specific option or feature. (Manual leak detection, to silence an alarm, etc.)

9023A-321 □ MODEM

Using a modem, the Tank Monitor II can be programmed to place and/or answer a call. When in call mode, the Tank Monitor II can transmit and receive data via the phone line. Some troubleshooting can be done over the phone as well as unit programming. Tank data can be downloaded to a remote computer and used for report generating to aid in purchasing, billing, and inventory control. Contact factory for information on the cellular phone option.

9023A-322 □ RS232

The Tank Monitor II can transmit and receive data to a local computer using this option. The RS232 option allows many of the basic communications features as described for the modem option.

9023A-323 □ RS422

Same as 9023A-322 except that this option allows a greater distance between the Tank Monitor II and the local computer.

9023A-485 □ RS485

Transmit and receive data to a computer using the RS485 industrial interface. A subset of the HART protocol is used.

9023A-253 □ PRINTER OUTPUT

A standard ASCII printer, operating at 300 or 1200 baud, may be connected to this module. The printer may be placed up to 2000 feet away. Includes 6 foot cable with a 25 pin D-sub connector. (See 9023A-PR)

9023A-PR □ 1200 BAUD PRINTER

The printer option enhances the usefulness of the controller by giving a report of all tank levels. Time and date stamping is provided. A standard ASCII printer, operating at 300 or 1200 baud, may be connected to this module. The printer may be placed up to 2000 feet away. Includes 6 foot cable with a 25 pin D-sub connector.

9023A-SAT □ SATELLITE COMMUNICATIONS

This option allows the RTU to transmit level data and to receive commands using satellite communication, via Internet e-mail, from any location in the world. See separate Satellite Communications data sheet.

Your Area Representative:

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