



GAS DETECTION FOR LIFE

# Distributor Announcement

August 10, 2023

## BEACON



### Now Available!

## 32 Channel Wall Mount Controller



RKI Instruments, Inc.

33248 Central Ave, Union City, CA 94587

[www.rkiinstruments.com](http://www.rkiinstruments.com)

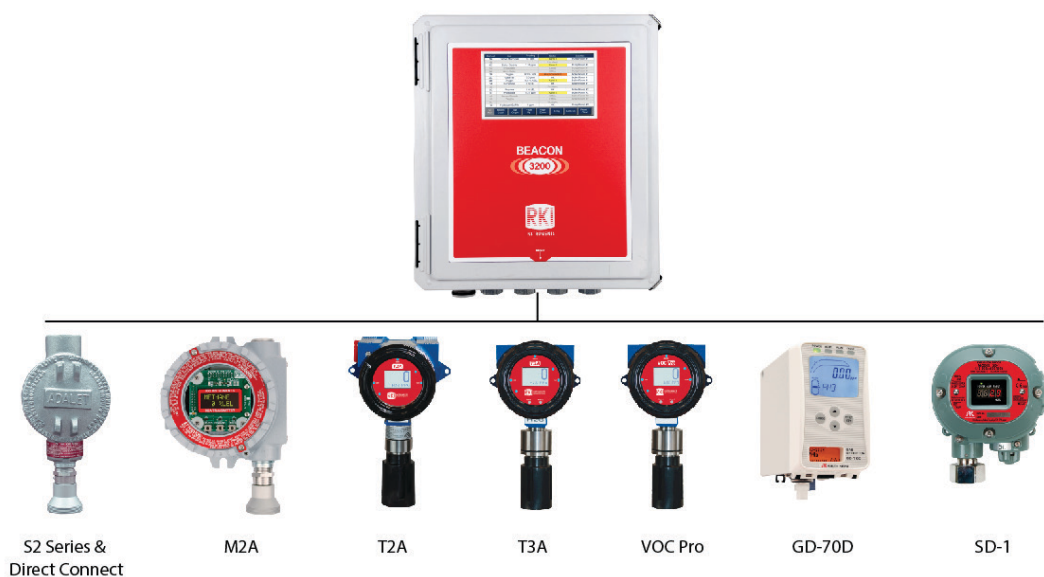
# Beacon 3200

RKI is pleased to announce the Beacon 3200 controller is now available. This state-of-the-art controller is designed to meet a wide variety of continuous monitoring applications and requirements with its flexible, modular system. Its 8 card slots can support up to 32 points of gas detection or any alternate combination of sensors and relays, making the Beacon 3200 one of the most versatile controllers on the market.

## Features

<ul style="list-style-type: none"><li>• Simultaneously control up to 32 gas monitoring channels</li></ul>	<ul style="list-style-type: none"><li>• 7" Color LCD Touchscreen display of all 32 channels</li></ul>
<ul style="list-style-type: none"><li>• Accepts M2A, T2A, T3A, VOC Pro via Modbus</li></ul>	<ul style="list-style-type: none"><li>• Accepts LEL / O2 / CO2 / toxic direct connect sensors</li></ul>
<ul style="list-style-type: none"><li>• Accepts any 4-20 mA transmitter, 2 or 3 wire</li></ul>	<ul style="list-style-type: none"><li>• 4-20 mA, RS-485, and Modbus TCP / IP outputs standard</li></ul>
<ul style="list-style-type: none"><li>• 3 common alarm relays and 1 fail relay as standard</li></ul>	<ul style="list-style-type: none"><li>• Alarm reset switch</li></ul>
<ul style="list-style-type: none"><li>• Audible alarm with silence feature</li></ul>	<ul style="list-style-type: none"><li>• RFI / EMI resistant</li></ul>
<ul style="list-style-type: none"><li>• 8 sensor or relay module slots for flexible configurations<ul style="list-style-type: none"><li>• 4 sensors per module card</li><li>• 8 relays per module card</li><li>• Up to 3 programmable alarm levels per channel</li></ul></li></ul>	<ul style="list-style-type: none"><li>• 115 / 220 VAC or 24 VDC operation</li></ul>
	<ul style="list-style-type: none"><li>• Weather and corrosion resistant NEMA 4X enclosure</li></ul>

## Compatible Transmitters



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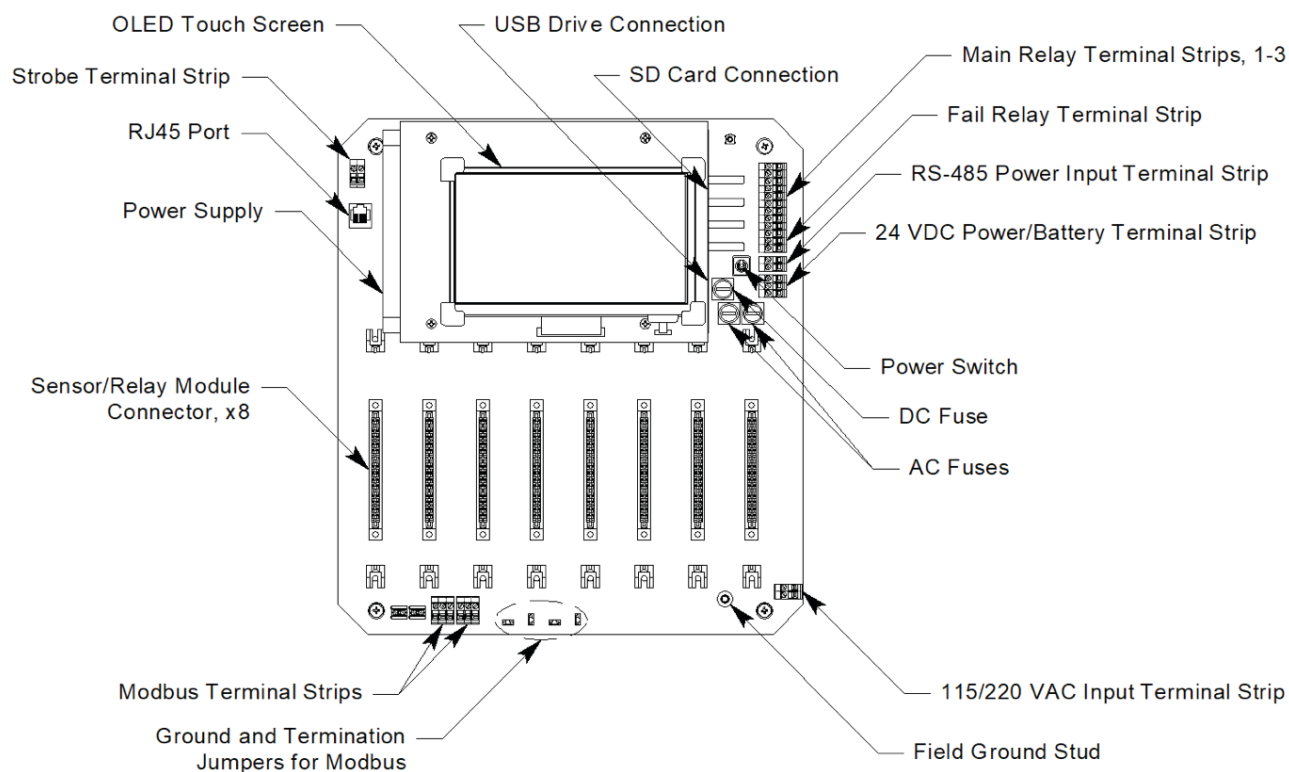
# Beacon 3200

## Communications



<ul style="list-style-type: none"><li>• Modbus Master (for M2A, T3A, VOC Pro, Air Alert)</li></ul>	<ul style="list-style-type: none"><li>• On board relays and relay cards, all configurable</li></ul>
<ul style="list-style-type: none"><li>• Modbus Slave</li></ul>	<ul style="list-style-type: none"><li>• Ethernet Slave</li></ul>
<ul style="list-style-type: none"><li>• Touch panel LCD for user interface</li></ul>	<ul style="list-style-type: none"><li>• Audible alarm with silence feature</li></ul>
<ul style="list-style-type: none"><li>• 4-20 mA output for each channel</li></ul>	<ul style="list-style-type: none"><li>• Optional top mounted strobe light</li></ul>
<ul style="list-style-type: none"><li>• 4-20 mA input for each channel</li></ul>	<ul style="list-style-type: none"><li>• SD Card for datalogging</li></ul>

## Component Detail



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## Applications



<ul style="list-style-type: none"><li>• Petrochemical Plants</li></ul>	<ul style="list-style-type: none"><li>• Refineries</li></ul>
<ul style="list-style-type: none"><li>• Water &amp; Wastewater treatment plants</li></ul>	<ul style="list-style-type: none"><li>• Pulp &amp; paper mills</li></ul>
<ul style="list-style-type: none"><li>• Gas, telephone, &amp; electric utilities</li></ul>	<ul style="list-style-type: none"><li>• Parking garages</li></ul>
<ul style="list-style-type: none"><li>• Steel</li></ul>	<ul style="list-style-type: none"><li>• Steel</li></ul>

The Beacon 3200 is capable of controlling up to 32 separate gas detection sensors. Sensor types can be direct connect, 4-20 mA (2 or 3 wire) or Modbus transmitters. The controller can be powered by either 115 VAC, 220 VAC, or 24 VDC. A battery backup option is available and receives its trickle charge from the Beacon 3200. It is simple to operate and comes complete with a wall mount installation kit.

The large 7" color LCD touchscreen can access control and maintenance functions as well as display all 32 channels. The Beacon 3200 is housed in a NEMA 4X rated case for a weather tight seal. This case design complies with lockout / tag out standards and can be fully secured. An external reset switch allows alarms to be silenced from outside the controller housing. Nine conduit hubs at the bottom of the housing allow for easy wiring.

With an Ethernet port, the Beacon 3200 can output all channel data including gas readings and alarm stats via Modbus TCP/IP. This allows users to monitor the readings from a distance. RKI offers the industry's widest selection of standard and toxic gas detection sensors, which can be utilized with the Beacon 3200, providing gas monitoring protection for almost any application.

### Resources

[Beacon 3200 Price List](#)

[Beacon 3200 Datasheet](#)

[Beacon 3200 Distributor Resources](#)

To access RKI's new Distributor Resources, use the following credentials:

User Name = **guest** / Password = **instruments**

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