AirLink Wireless Gas Monitoring Solutions

- *Controllers, transmitters, & repeaters*
- *Hybrid wireless & wired systems*
- *One mile line-of-site range*
- *900 MHz or 2.4 GHz radios*
- *Up to 2 years battery life*
- *Secure network*
- *Explosion proof or non-explosion proof*
- *Turn-key installation, maintenance, and training services available*

RKI INSTRUMENTS

Battery Powered

Explosion Proof Transmitter
AirLink 6900

- Electrochemical, PID, or IR sensors available
- Wireless communication
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- Graphical LCD with LED backlight, readable in sunlight
- Battery powered
- Battery Life
  - EC = 2 Years
  - IR = 10 to 12 months
  - PID = 2 Weeks

4 Sensor Explosion Proof
AirLink 6940 XP

- Up to 4 sensors in one enclosure
- Electrochemical, PID, or low power IR sensors
- Wireless communication
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- Battery powered
- Battery Life
  - 6 Months
- Non XP version available

Non XP Transmitter
AirLink Alert

- Electrochemical, infrared, or PID sensor element
- Wireless communication
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- Battery powered
- Battery Life
  - EC = 2 Years
  - IR = 10 to 12 months
  - PID = 2 Weeks

Wire Powered

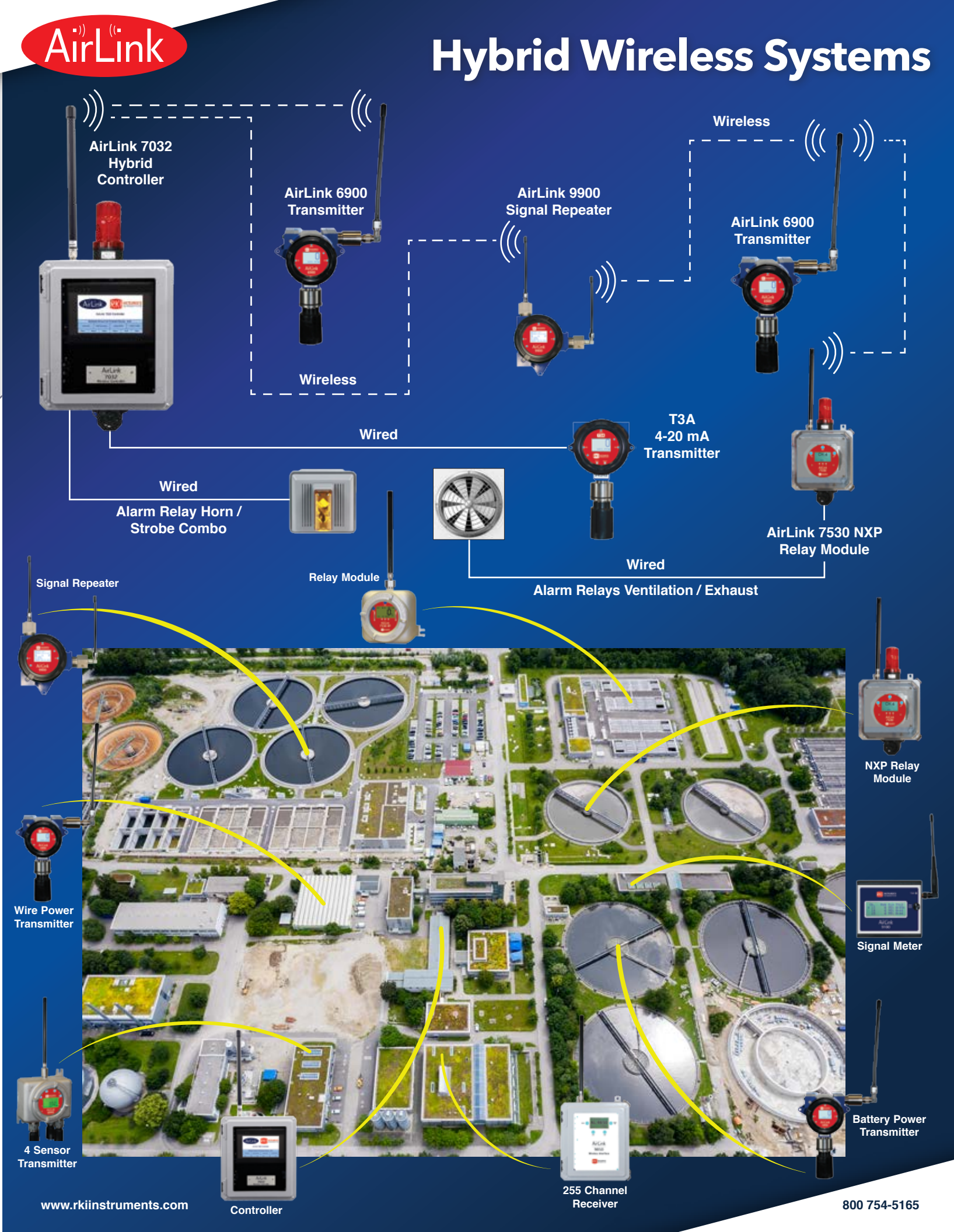
3-Wire Explosion Proof Transmitter
AirLink VOC Pro

- PID sensor options
  - *10.0 eV lamp / 11.7 eV / 10.6 eV ppb / 10.6 eV ppm*
- Output options:
  - *Wireless 900 MHz or 2.4 GHz*
  - *4-20mA (3-wire) analog*
  - *RS-485 modbus*
- Wire powered (2-Wire), 12 to 35 VDC operating voltage

Explosion Proof Transmitter
AirLink T3A

- Electrochemical, infrared, catalytic bead sensors
- Wire powered (2-Wire), 12 to 35 VDC operating voltage
- Output options:
  - *Wireless 900 MHz or 2.4 GHz*
  - *4-20mA (3-wire) analog*
  - *RS-485 modbus*

Hybrid Wireless Systems



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System Add-Ons

Signal Repeater

AirLink 9900

- 255 Channel wireless interface - all addresses on configured network
- Radio options: 900 MHz radio or 2.4 GHz
- 12 to 35V DC operating voltage
- Non XP version available

4-20mA to Wireless Transmitter

AirLink 5900

- Convert any 4-20mA signal to wireless
- Wireless communication
  - — 900 MHz radio and 52 networks
  - — 2.4 GHz radio and 78 networks
- Operating voltage: 12V to 35V
- Graphical LCD with LED backlight, readable in sunlight
- Non XP version available

Wireless Switch-State Transmitter

AirLink 5950

- Wirelessly transmit the state of up to 2 switches (pressure, temperature, flow)
- Wireless communication
  - — 900 MHz radio and 52 networks
  - — 2.4 GHz radio and 78 networks
- Battery powered — 3.6 V, 19 Ah
  Allows for use of multiple receivers in multiple locations
- Radio transmission every 1 min. with no change from device, every 5 sec. with change from device (user configurable)
- Non XP version available

Wireless Signal Meter

AirLink 9100

- Portable signal-strength meter
- Displays radio signal strength and gas readings
- Communicates with all wireless sensors on network

32 Channel Relay

AirLink 7530 XP Relayer

- 32 Channel wireless relays: Contains 3 relays that can be activated by up to 32 remote wireless sensors
- Radio options: 900 MHz radio or 2.4 GHz Standard
- 12 to 35 VDC operating voltage with optional AC power supply
- Non XP version available

Accessories

Horn/Strobe Combo

Class1, Div. 1 Horn

Stack Light

Class1, Div. 1 Horn/Strobe Combo

Strobes

Wireless Controllers

255 Channel
AirLink 9850 Interface

- 255 Channel wireless interface - all addresses on configured network
- Interfaces with PLC or SCADA system with RS-232/485, ethernet, or USB
- Radio options: 900 MHz radio or 2.4 GHz Standard
- 12 to 35 VDC operating voltage with optional AC power supply
- Provides optional 4-20 mA outputs, up to 32

6 Channel
AirLink 7543 Controller

- 6 Channel controller accepts up to 6 wireless transmitters
- Radio options: 900 MHz radio or 2.4 GHz Standard
- 3 Programmable alarm set-points
- Optional HART output
- 12 to 35 VDC operating voltage with optional AC power supply
- 3 Programmable relays

32 Channel
AirLink 7010 Controller

- 32 Channel hybrid controller
- Supports wireless transmitters and up to 4 wired transmitters
- Radio options: 900 MHz radio or 2.4 GHz Standard
- 12 to 35 VDC operating voltage with optional AC power supply
- 4 Programmable relays

32 Channel
AirLink 7032 Touchscreen

- 32 Channel hybrid touchscreen controller
- Supports wireless transmitters and up to 4 wired transmitters
- Radio options: 900 MHz radio or 2.4 GHz Standard
- 12 to 35 VDC operating voltage with optional AC power supply
- 4 Programmable relays

Wired Solutions

2 Wire Transmitter
T2A

- Electrochemical Sensor
- 2-Wire loop-powered, 4-20 mA output
- Wire powered,12 to 35 VDC operating voltage
- Digital display of gas reading with backlight
- 3 magnetic-button interface
- 4-20 mA (2-wire) output

3 Wire Transmitter
T3A

- Electrochemical, infrared or catalytic bead sensors
- Wire powered,12 to 35 VDC operating voltage
- Digital display of gas reading with backlight
- 4-20 mA (3-wire) output
- 3 magnetic-button interface
- RS-485 Modbus output

PID Transmitter
VOC Pro

- PID sensor options:
  —10.0 eV lamp / 11.7 eV / 10.6 eV ppb / 10.6 eV ppm
- Wire powered,12 to 35 VDC operating voltage
- 4-20 mA (3-wire) output
- 3 magnetic-button interface
- RS-485 Modbus output

Stand-Alone Transmitter
Air Alert

- Electrochemical, infrared, or PID sensor element
- Wire powered, 12 to 35 VDC operating voltage, optional AC power supply
- 4-20 mA (3-wire)
- RS-485 Modbus output
- Relay options available
- 3 magnetic-button interface

Detectable Gas Ranges

Measurable Gases	Symbol	STEL	TLV/TWA	T2A	T3A	Air Alert	AirLink 6900/6940	AirLink Alert
Ammonia	NH3	35 ppm	25 ppm	75, 100, 200, 300, 400, 500, 1k ppm	100, 200, 300, 500, 1k ppm		100, 1k ppm	
Arsine	ASH3	—	0.005 ppm	1 ppm				
Carbon Dioxide	CO2	30,000 ppm	5,000 ppm	—	5k ppm, 5% Vol.		5% Vol.	
Carbon Monoxide	CO	—	25 ppm	300, 500, 1k ppm	500, 1k ppm		1k ppm	
Chlorine	Cl2	0.4 ppm	0.1 ppm	3, 10, 20 ppm	10 ppm			
Chlorine Dioxide	ClO2	C 0.1 ppm	—	1, 5 ppm	1 ppm			
Combustibles LEL (Cat)	LEL	—	—	—	100% LEL	—		
Combustibles LEL (IR)	LEL	—	—	—	100% LEL			
Combustibles CH4 Vol. (IR)	CH4	—	—	—	100% Vol.			
Ethylene Oxide	EtO	—	1 ppm	10 ppm				
Fluorine	F2	C 0.5 ppm	0.1 ppm	1 ppm				
Freon	R410A	—	1,000 ppm	—		2,000 ppm	—	
Freon	R404A	—	1,000 ppm	—		2,000 ppm	—	
Formaldehyde	HCHO	0.3 ppm	0.1 ppm	10 ppm				
Hydrocarbon % Vol.	HC	—	—	—	100% Vol.			
Hydrogen	H2	—	—	100% LEL				
Hydrogen Bromide	HBr	C 2 ppm	—	30 ppm				
Hydrogen Chloride	HCl	C 2 ppm	—	20, 30, 100 ppm	20, 30, 100 ppm		20, 100 ppm	
Hydrogen Cyanide	HCN	C 4.7 ppm	—	15, 30, 50 ppm	15, 50 ppm		50 ppm	
Hydrogen Fluoride	HF	C 2 ppm	0.5 ppm	10 ppm				
Hydrogen Sulfide	H2S	5 ppm	1 ppm	10, 25, 50, 100, 500, 2k ppm				
Nitric Oxide	NO	—	25 ppm	250 ppm				
Nitrogen Dioxide	NO2	—	0.2 ppm	20 ppm				
Oxygen	O2	—	–	25%				
Ozone	O3	—	0.1 ppm	5, 100 ppm			5, 100 ppm (100 ppm 6940 only)	5, 100 ppm
Phosphine	PH3	C 0.15 ppm	0.05 ppm	5 ppm				
Sulfur Dioxide	SO2	0.25 ppm	—	20 ppm				
Volatile Organic Compound	VOCs	—	—	10, 20, 50, 100, 500, 1k, 2k ppm (VOC Pro)				

Authorized Distributor:

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World Leader In Gas Detection & Sensor Technology

Wired Controllers

	Channels	Alarm levels per channel	Fully programmable relays	Direct connect sensors
AC-7400	8/12	4	4 total	No
MC-6400	64	4	4 total	No

AC-7400
8/12 channel analog

MC-6400
64 channel digital

- AC-7400
  - AC or DC supply
  - 8 or 12 channels, 4-20 ma inputs, 2 or 3 wire
  - 2 wiring hubs
  - RS-485 Modbus output and 4 relays
  - Compatible Transmitters:
    - M2A, S2, GD-70D, T2A, T3A, VOC Pro
- MC-6400
  - AC or DC supply
  - Modbus input—64 channels
  - 2 wiring hubs
  - RS 485 Modbus output and 4 relays
  - Compatible Transmitters:
    - M2A, T3A, VOC Pro

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How to access menus

AC-7400

- Setup Mode
  - Press and hold MENU and ADD for 6 to 8 seconds
  - Channel on/off, sensor type, scale, # of decimals, Relay Setup
- Advanced Configuration Menu (Global Settings)
  - Cycle the unit's power using the power switch on the PCB. When the RKI Logo appears on the Display Screen, press MENU.
  - LCD contrast, restore factory default, fault relay setup, Modbus setup
- Calibration Mode
  - Press and hold MENU for five seconds

2

How to access menus

MC-6400

- Setup Mode
  - From Normal Operating Mode, press and hold MENU and ADD for 8 seconds to enter Setup Mode.
  - Channel on/off, sensor type, channel number, relay setup
- Advanced Configuration Menu
  - Cycle the unit's power using the power switch on the PCB. When the RKI Logo appears on the Display Screen, press MENU.
  - LCD contrast, restore factory default, fault relay setup, Modbus setup
- Calibration Mode
  - From Normal Operating Mode, press and hold MENU for 5 seconds
- Relay Test mode
  - From Normal Operating Mode, press and hold RESET/ESC. Keep button pressed in, to cycle through all the relays.

Wired Transmitters

T2A
2-wire explosion proof

- Explosion Proof, Class I, Division 1 for CO, H2S, O2, & SO2
- Class I, Division 2 for all other gases
- 2- wire Loop Powered
- 4-20 mA output (no relays)

How to access menus

T2A

- Product Settings and Configuration Menu
  - press and hold the MENU button, for approximately 6 seconds
  - Alarm Test, System Information, Zero/Calibration Timers, Calibration Method, 4-20 mA Offset Settings: Zero Offset Setting, Full-Scale Offset Setting, Display Screen Contras Setting, Return to Factory Default Settings, Reset Zero and Calibration Values Only
- Calibration menu
  - press the MENU button
  - Zero and Span

Wired transmitters continued

T3A
3-wire explosion proof

- Explosion Proof, Class I, Division 1 for CO, H2S, O2 & SO2
- Class I, Division 2 for all other gases
- 3 wire
- 4-20 mA and Modbus Output (with or without relays)

How to access menus

T3A

- Product Settings and Configuration Menu
  - press and hold the MENU button, for approximately 6 seconds
  - Alarm Test, System Information, Zero/Calibration Timers, Unit Info, Relay 1: Latching/Auto Resetting Setting, Relay 2: Latching/Auto Resetting Setting, Relay 1: Fail-Safe Setting, Relay 2: Fail-Safe Setting, Fault Terminal Fail-Safe Setting, Calibration Method, RS-485 Modbus Address Setting, RS-485 Modbus Baud Setting, 4-20 mA Offset Settings: Zero Offset Setting, Full-Scale Offset Setting, Display Screen Contrast Setting, Return to Factory Default Settings, Reset Zero and Calibration Values Only
- Operation Settings and Calibration
  - press the MENU button
  - Zero, Span, Alarm settings

Wired transmitters continued

VOC Pro
3-wire PID explosion proof

- Explosion Proof, Class I, Division 1
- Output options: 4-20mA (3-wire) analog, and RS-485 Modbus (4 wire)
- With or without relays
- 10.0, 10.6, or 11.7 eV lamp

How to access menus

VOC Pro

- Product Settings and Configuration Menu
  - press and hold the MENU button, for approximately 6 seconds
  - Alarm Test, System Information, Zero/Calibration Timers, Unit Info, Relay 1: Latching/Auto Resetting Setting, Relay 2: Latching/Auto Resetting Setting, Relay 1: Fail-Safe Setting, Relay 2: Fail-Safe Setting, Fault Terminal Fail-Safe Setting, Calibration Method, RS-485 Modbus Address Setting, RS-485 Modbus Baud Setting, 4-20 mA Offset Settings: Zero Offset Setting, Full-Scale Offset Setting, Display Screen Contrast Setting, Return to Factory Default Settings, Reset Zero and Calibration Values Only
- Operation Settings and Calibration
  - press the MENU button
  - Zero, Span, Alarm settings

Stand Alone

Air Alert
Stand Alone, 3 color alarm LED's and buzzer

- 24 VDC (Optional 110 VAC power supply)
- With or without relays
- Output options: 4-20mA (3-wire) analog, RS-485 Modbus, optional 900 MHz or 2.4 GHz radio

How to access menus

Air Alert and Airlink Alert

- Product settings and configuration
  - Press and Hold the MENU button for 6 seconds
  - Relay Test, Network ID (if Airlink), System Information, Null/Calibration Timers, Unit Info, Background Setting, Calibration Method, Display Screen Contrast Setting, Return to Factory Default Settings, Reset Null & Calibration Values
- Product settings and configuration
  - Press the MENU button
  - Calibration Zero and span, radio address (if Airlink), radio address setting (if Airlink)

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Wireless Solutions

Controllers

AirLink

Transmitters

AirLink

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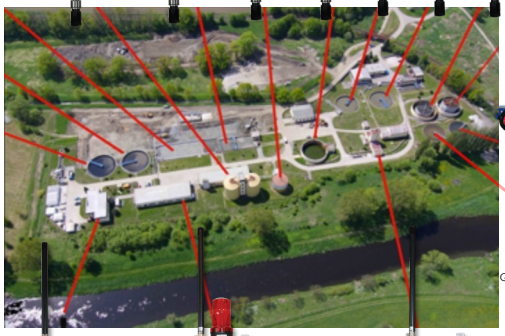
Typical Components



AirLink 6900
Explosion Proof
Transmitter

AirLink 6940
Quad Sensor Transmitter

AirLink 7530
Secondary Controller
(Relay Module)

AirLink 7010
Primary Controller

AirLink 9850
Secondary Controller
(255 channel Interface)

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Easy Installation

Unbox > Mount > Power On > Calibrate

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Wireless Controllers

AirLink 7032
32 Channel
Touchscreen Hybrid

AirLink 7010
32 Channel Hybrid

- 900 MHz or 2.4 GHz radio options
- Digital Display of Gas Readings
- Weather proof NEMA 4X enclosure
- Multi color LED Alarm Indicators
- Optional strobe, horn & battery backup options

AirLink 9850
255 Channel Interface

AirLink 7543
6 Channel with Modbus

	Channels	Programmable relays	Hybrid wireless & wired input	4-20 mA Output	Modbus Out	WirelessHART®
AirLink 7543	6	3			●	●
AirLink 7010	32	4	●		●	
AirLink 7032	32	4	●		●	
AirLink 9850	255	0		●	●	

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Wireless controllers continued

32 Channel Hybrid Controller

- 32 channel controller.
  - Accepts 4 wired transmitters
- Wireless communication:
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- Four Programmable Alarm Relays
- NEMA 4X weather resistant enclosure (stainless-steel option available)
- Modbus output
- 24 VDC or 110 VAC

Airlink 7010

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How to access menus

Airlink 7010

- Channel Configuration Menu
  - Press and hold MENU, ADD and SUB for five seconds
  - Channel selection, Channel on/off, Channel type—wired or wirefree, sensor type (wired only), scale (wired only), # of decimals (wired only), radio address (wirefree only), relay on/off, relay rise/fall, relay value, relay latching/unlatching, system information
- Advanced Configuration Menu (Global Settings)
  - Cycle the unit's power by using the switch on the PCB. When the Display Screens illuminate, press MENU.
  - LCD contrast (upper), LCD contrast (lower), restore factory default settings, relay 4 fault relay, fault relay failsafe setting, fault terminal failsafe setting, Modbus address, Baud setting, Radio Timeout, Network channel, Monitor setup—primary or secondary
- Calibration menu
  - Press and hold MENU for five seconds.
  - Zero, and span
- Relay test mode
  - Press and hold RESET. Relay 1 will activate after five seconds, Relay 2 will activate after an additional five seconds, etc.

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Wireless controllers continued

32 Channel Touchscreen Controller

- 32 channel controller.
  - Accepts 4 wired transmitters
- Wireless communication
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- Four Programmable Alarm Relays
- NEMA 4X weather resistant enclosure (stainless-steel option available)
- Modbus output
- 24 VDC or 110 VAC
- Color touchscreen

Airlink 7032

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How to access menus

Airlink 7032

- Channel configuration
  - Press the WireFree logo to enable the “Channel Config” button on the Home Screen
  - Press “Channel Config” to enter Channel Configuration Mode
  - Wired or wirefree, relay configuration, radio address (wirefree), scale (wired), sensor location, duplicate settings, turn channel off
- Configuration menu
  - Touch the WireFree logo, then Press and hold the GEN II logo until the Touchscreen shows the Configuration Menu.
  - View serial #, view date manufactured, calibration mode, relay tests, restart, VIEW Modbus Output Settings: Baud Rate, VIEW Radio Settings: Radio Timeout, VIEW Gen II Radio Settings: Network ID, VIEW Gen II Radio Settings: Primary or Secondary Monitor, VIEW OI-7032 Reset to Factory Default, VIEW Relay Settings: Relays 1-4 (Failsafe), VIEW Relay Settings: Fault Terminal, VIEW Relay Settings: Fault Relay Assign
- Configuration Menu Modifications (Second-Level Configuration Menu)
  - To modify certain items in the Configuration Menu, the AirLink 7032 Terminal Board must be reset (while in the Configuration Menu). To reset the board, complete the following steps
    - Press “Restart AirLink 7032”
    - Wait for the pop-up window to disappear and the grayed-out buttons to become black
  - Modbus Address, Baud Rate, Radio Timeout, Network ID, Primary or Secondary Monitor, Reset to Factory Default, Relays 1-4 (Failsafe), Fault Terminal, Fault Relay Assign

Wireless controllers continued

6 Channel with Modbus

- 6 channel wireless controller
- 3 Programmable Alarm Relays
- Modbus or HART output
- 24 VDC or 110 VAC
- NEMA 4X enclosure

Airlink 7543

How to access menus

Airlink 7543

- Basic Configuration Menu
  - Press and hold MENU for five seconds
  - Channel Selection, Channel On/Off, Radio Address Setting, Relay On/Off, Relay Setting-Type (Rise/Fall), Relay Value Setting, Relay Latching/Unlatching, Duplicate Channel.
- Advanced Configuration Menu
  - Cycle the unit's power (turn OFF, then ON). Power off the device by turning off the voltage supply at the power source (DC power), or by unplugging the unit (AC power). Power on the device by supplying voltage to the unit.
  - When the RKI Logo is shown on the Display Screen, press MENU
  - Adjust LCD Contrast, Restore Factory Default Settings, Fault Relay Setup: Relay 3 Fault Relay, Fault Relay Setup: Latching or Unlatching, Relay Failsafe Setup: Relay 1 Failsafe (right), Relay Failsafe Setup: Relay 2 Failsafe (below), Relay Failsafe Setup: Relay 3 Failsafe (right), Relay Failsafe Setup: Fault Terminal Failsafe (below), Radio Timeout Setting, Network Channel Setting, Primary/Secondary Setting
- Relay Alarm test mode
  - Press and hold MENU and SUB for five seconds to enter Alarm Test Mode

6 Channel with Modbus

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Wireless controllers continued

255 Channel Interface

- 255 channel wireless or Modbus input
- Modbus output, or up to thirty-two 4-20
- 24 VDC or 110 VAC
- NEMA 4X enclosure

Airlink 9850 Receiver Interface

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How to access menus

Airlink 9850

- Basic Configuration Menu
  - Press and hold MENU for five seconds
  - Modbus Setup Address Setting, Modbus Setup Baud, Modbus Setup Float Swap, Modbus Setup 485 or 232, 4-20 Port Setup, 4-20 Port Setup On/Off, 4-20 Port Setup Address, 4-20 Port Setup Output 1:1/Scaled, 4-20 Port Setup Min Scale, 4-20 Port Setup Max Scale, 4-20 Port Setup 4mA Offset, 4-20 Port Setup 20mA Offset, IP Address Setup Type, Address Selection for relay, Address On/Off Setup for relay, Address Rise/Fall Low Setup for relay, Low Alarm Setup for relay, Address Rise/Fall High Setup for relay, High Alarm Setup for relay, Address Setup: Duplicate.
- Advanced Configuration Menu
  - Cycle the unit's power (turn OFF, then ON). Power off the device by turning off the voltage supply at the power source (DC power), or by unplugging the unit (AC power). Power on the device by supplying voltage to the unit.
  - When the RKI Logo is shown on the Display Screen, press MENU
  - Adjust LCD Contrast, Radio Timeout, Network ID, Primary/Secondary Monitor Setting.

255 Channel Interface

Wireless Transmitters

AirLink

Transmitters

Wireless Explosion Proof Transmitter

- Continuously monitor wide range of gases using advanced sensor technology
  - Electrochemical
  - IR
  - PID
- Wireless communication:
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- Dual battery power
  - 2 year max – electrochemical
  - 1 to 1.5 years max – IR
  - 2-weeks plus for PID
  - Easy to replace

Airlink 6900 Battery Powered

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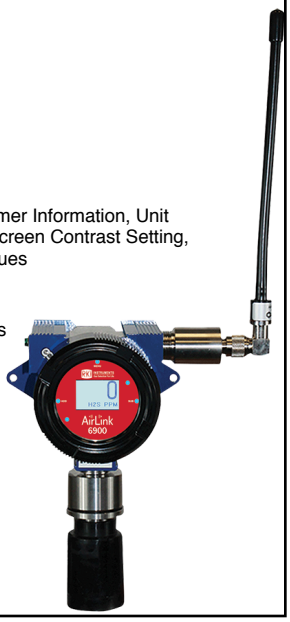
How to access menus

Airlink 6900

- Product Settings and Configuration menu
  - press and hold the MENU button, for approximately 6 seconds
  - Alarm Test, Network ID, System Information, Zero/Calibration Timer Information, Unit Information, Background Setting, Calibration Method, Display Screen Contrast Setting, Return to Factory Default Settings, Reset Zero & Calibration Values
- Operation Settings menu
  - Press and release the menu button once.
  - Zeroing the Sensor, Calibrating the Sensor, Sensor Radio Address



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Wireless Transmitter, Wire Powered

- Continuously monitor wide range of gases using advanced sensor technology
  - Electrochemical
  - IR
- Wireless communication:
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- 12– 35 VDC Powered
- Relays available.

Airlink T3A

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How to access menus

T3A

- Product Settings and Configuration menu
  - press and hold the MENU button, for approximately 6 seconds
  - Alarm Test, System Information, Zero/Calibration Timers, Unit Info, Relay 1: Latching/Auto Resetting Setting, Relay 2: Latching/Auto Resetting Setting, Relay 1: Fail-Safe Setting, Relay 2: Fail-Safe Setting, Fault Terminal Fail-Safe Setting, Calibration Method, RS-485 Modbus Address Setting, RS-485 Modbus Baud Setting, 4-20 mA Offset Settings: Zero Offset Setting, Full-Scale Offset Setting, Display Screen Contrast Setting, Return to Factory Default Settings, Reset Zero and Calibration Values Only
- Operation Settings menu
  - Press and release the menu button once.
  - Zero, Span, Alarm settings

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Wireless PID Transmitter, Wire Powered

- Continuously monitor wide range of VOC using a variety of PID sensors
  - 10.6 eV low range 0-50 ppm
  - 10.6 eV high range, 0-2000 ppm
  - 10.0 eV 0-100 ppm
  - 11.7 eV 0-1000 ppm
- Replaceable Lamps & Electrode Stacks
- Wireless communication:
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- 12– 35 VDC Powered

Airlink VOC Pro

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How to access menus

Airlink VOC Pro

- Product Settings and Configuration menu
  - press and hold the MENU button, for approximately 6 seconds
  - Alarm Test, System Information, Zero/Calibration Timers, Unit Info, Relay 1: Latching/Auto Resetting Setting, Relay 2: Latching/Auto Resetting Setting, Relay 1: Fail-Safe Setting, Relay 2: Fail-Safe Setting, Fault Terminal Fail-Safe Setting, Calibration Method, RS-485 Modbus Address Setting, RS-485 Modbus Baud Setting, 4-20 mA Offset Settings: Zero Offset Setting, Full-Scale Offset Setting, Display Screen Contrast Setting, Return to Factory Default Settings, Reset Zero and Calibration Values Only
- Operation Settings menu
  - Press and release the menu button once.
  - Zero, Span, Alarm settings

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4 Sensor Transmitter

- Continuously monitor up to 4 gases with one transmitter
- Wireless communication:
  - 900 MHz radio and 52 networks
  - 2.4 GHz radio and 78 networks
- Battery life:
  - 6-months maximum
  - 2-weeks plus for PID
- Electrochemical, PID, or IR sensors available
- Explosion and non-explosion proof versions.

Airlink 6940 Battery Powered

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How to access menus

Airlink 6940

- Product Settings and Configuration menu
  - press and hold the MENU button, for approximately 6 seconds
  - Global settings, Network ID, Unit information, Contrast setting, factory default settings, back menu, sensor settings, sensor on/off, nulling the sensor, calibrating the sensor, sensor radio address, sensor relay test, sensor background setting, sensor background setting, sensor background high setting, sensor background low setting, calibration method, sensor information, null calibration timer information, reset sensor null/cal
- Operation Settings menu
  - Press and release the menu button once.
  - Powering on, powering off, display behavior above background

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NXP Wireless Transmitter

- Electrochemical, Infrared, or PID sensors
- Graphical LCD with LED backlight
- Battery-operated
- Wireless

AirLink Alert

Airlink Alert Battery Powered

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Wireless Add-Ons

AirLink 9900 Signal Repeater, Explosion Proof

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How to access menus

Airlink 9900

- Menu mode
  - press and hold the MENU button, for approximately 6 seconds
  - Network ID A, Network ID B, setting contrast

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Wireless Add Ons continued

- **The AirLink 5900 makes any 4-20 ma transmitter into a Wireless transmitter**
- **24 VDC**
- **5900 powers connected transmitter.**
- **Accepts 2 or 3 wire 4-20 ma input**
- **No relays**
- **Explosion proof**

Airlink 5900

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Wireless Add-Ons

AirLink 9100 Portable Signal Strength Meter
(Handheld Portable)

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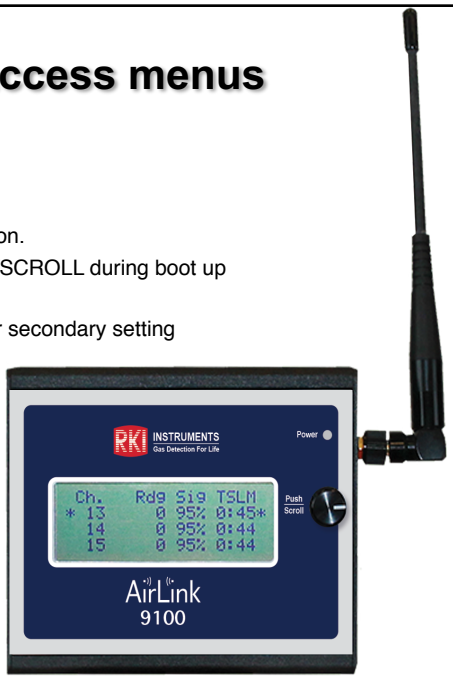
How to access menus

Airlink 9100

- Operation Settings
  - Turn the unit off if it is on.
  - Press and hold PUSH/SCROLL during boot up
  - Power on the unit.
  - Network ID, Primary or secondary setting



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Wireless Add Ons continued

AirLink 7530 Relay Module

- Accepts up to 32 wireless transmitters
- 3 programmable alarm relays out
- Optional light and horn available (uses 1 relay)
- Available in explosion and non-explosion proof

How to access menus

Airlink 7530

- Configuration mode
  - Press and hold MENU for five seconds
  - Channel Selection, Channel On/Off, Radio Address Setting, Relay On/Off, Relay Setting-Type (Rise/Fall), Relay Value Setting, Relay Latching/Unlatching, Duplicate Channel.
- Advanced Configuration menu
  - Cycle the unit's power (turn OFF, then ON). Power off the device by turning off the voltage supply at the power source (DC power), or by unplugging the unit (AC power). Power on the device by supplying voltage to the unit.
  - When the RKI Logo is shown on the Display Screen, press and hold the MENU button.
  - Adjusting LCD Contrast, Restore Factory Default Settings, Fault Relay Setup: Relay 3 Fault Relay, Fault Relay Setup: Latching or Unlatching, Radio Timeout Setting, Network Channel Setting, Primary/Secondary Setting.
- Relay test mode
  - Touch and hold the MENU and SUB buttons for five seconds to enter Alarm Test Mode.

How to do a signal propagation test

- Use Airlink 9100 and Airlink 6900
  - Check what the Network ID is in the 6900
  - Set the Airlink 9100's Network ID to the same as the 6900
  - Place the 6900 in relay test mode.
    - Press the Add and Sub buttons every 3-5 seconds. This will generate a signal to the Airlink 9100.
- The signal strength needs to be >40%

Peripheral Devices

- **Battery back-up for many devices**
- **Auto dialers-voice recordings**
  - Notify authorities
- **WiFi text and email generators**
- **Datalogger**
  - Document readings
- **UPS**
  - Supplies back-up power to system and enunciators

Horns & Strobes

Non Hazardous Location

Lights or Strobes with Horns 4 wire (Strobe and Horn wired separately)

Horn with Strobe
115 VAC / 24 VDC , 4 wire
Amber, Blue or Red

Horn with Strobe
NEMA 3R, 4 Wire, 24 VDC
Amber or Red

Lights or strobes with horns 2 wire

Flashing Alarm Light with Horn
115 VAC / 24 VDC
Red, Blue or Amber

Strobe with Horn
115 VAC / 24 VDC, NEMA 4X / 3R
Amber, Blue or Red

Lights, Strobes, or Horns

Rotating Alarm 120V
Green, Amber, Red or Blue

Strobe NEMA 3R / 4X Red Housing
Amber, Red or Blue

24 VDC Vibrating Horn

Horns & Strobes

Non Hazardous Location

Stack lights and audibles

Horns & Strobes

Hazardous Location

Class I Div 1 Strobes or Horns

Horn with Strobe
115 VAC / 24 VDC , 4 wire
Amber, Blue or Red

Horn 115 VAC

Class I Div 2 Strobes or Horns

Strobe Light
115 VAC / 24 VDC
Red or Amber

Horn 115 VAC

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Questions?

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INSTRUMENTS

Gas Detection For Life

Training Notes