

ROUTER

AIRCHOC[®] wireless



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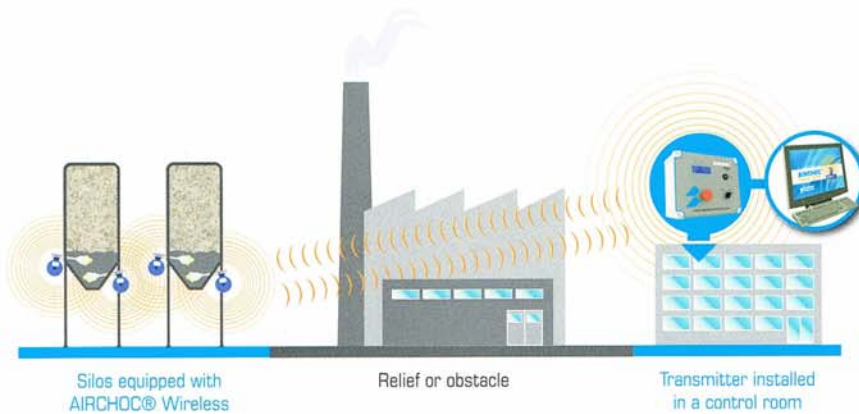
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1- Principle of Airchoc Wireless

AIRCHOC® wireless
AN INNOVATIVE
WIRELESS DESIGN

Standard Industrie has used the experience gained from over 30 years in the field of solving blockages and its ability for constant innovation to create **the AIRCHOC® Wireless, THE FIRST WIRELESS AIR CANNON.** Designed to easily remove blocking and encrustation while avoiding the limitations imposed by a wired installation, **the AIRCHOC® Wireless can be operated remotely using a transmitter and a receiver box mounted on the 6V-5W pilot light.**

This innovative design reduces wiring costs and makes it easier to maintain the AIRCHOC® while retaining **the safety, effectiveness and reliability** that the AIRCHOC® range is known for.



LONG DISTANCE
TRANSMISSION

With a **300 meter-range (984 feet) - up to 1km (0,62mi) in open spaces-** the wireless system enables you to operate the AIRCHOC® Wireless over large distances across any terrain and regardless of any obstacles.

UP TO 128
AIRCHOC® wireless UNITS
WITH A SINGLE TRANSMITTER

Installed in your control room, the transmitter can be **connected to your automaton or to a computer** in order to manage **all your AIRCHOC® Wireless units** from a single point.



AIRCHOC® Transfer System

The AIRCHOC® Transfer System software allows you to simply and effectively programme blasting sequences for each AIRCHOC® Wireless on a computer.

2- ROUTER PRESENTATION

Wireless external antenna
Standard Industrie reference : **COFANTENNA**

Characteristics

Frequency [MHz] : 868-928
Gain [dBi] : 3.0
Impedance [Nom] : 50Ω
VSWR : ≤2.0
Polarization : Vertical
Electrical length : ¼, dipole
Radiation : Omni



Number of address of the router which will be visualized in the network

There is no risk of power to hit the metal part of the antenna output if the router is powered.

2-2. General Characteristic

2-21. Electrical Characteristics

- Power supply : 120V ac - 60Hz
- Max power : 1W

2-22. Explanation of the symbol on the label :

STANDARD INDUSTRIE INTERNATIONAL	ROUTER BOX ACW			
	MODEL : COFROUTCA			
AC INPUT	VOLTAGE	MAX POWER	FREQUENCY	RF FREQUENCY
	120Vac	1 W	60HZ	915 MHz
FCC ID: A29-COFROUTCA IC:10022A-COFROUTCA				



This router is Class II



The router is protected by a resettable fuse 0,16A and no dismantling of the box is called. After power has been removed and the overcurrent condition eliminated, the circuit is restored to normal operating condition

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2-23. Environmental characteristics:

Material : Flame Retardant ABS (UL94-V0)

- Service temperature:	Minimum: -20°C Maximum: +70°C
- Humidity :	no more than 80%
- Max altitude	e.g up to 2000 m
- Pollution degree	2



Attention : it is forbidden to clean the control panel to the high-pressure water.

The protection is impaired if equipment is used in a manner not specified by the manufacturer.

- Electric cable used for connecting have to be in accordance with the standard IEC 60320-1, 60227

2-24. Additional Exterior Characteristics

This router includes

- RF transmission module - 915 MHz as per IEEE 802.15.4-2003/2006 standard

3) NETWORK WITH ROUTER FOR SYSTEME WIRELESS

3-1) Principle

In the case of transmission problems between the control panel and the receivers, routers can be installed. While positioning the routers on high points, and provide a power supply. The control panel communicates with the router through the antenna. The router relays the information to the receiver

Control panel



Antenna
Control panel

Router



Power



Receiver

4 – General Information

Changes or modifications not expressly approved by Standard Industrie could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC's radiation exposure limits set forth for an uncontrolled environment under the following conditions :

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.