

DYNAMIC SERIES

Part B: Conformity and frequencies (915MHz - FCC/IC)

INDEX

1	Conformity	2
	1.1 Federal Communications Commission (FCC)	3
	1.2 Industry Canada (IC)	3
2	Frequencies	3
	2.1 Dynamic mode	3
	2.2 Static mode	3
3	Market	4

1 Conformity

Each Dynamic series' radio remote control working in the frequency band 915-928MHz complies with Part 15 of standards FCC and with RSS-210 of IC standards.

Unit	FCC ID	IC number
ADD	OQA-ADDNE022 ^d	9061A-ADDNE022 ^{a b c}
ARM	OQA-ARMNB022 ^d	9061A-ARMNB022 ^{a b c}
	OQA-ARMNC022 ^d	9061A-ARMNC022 ^{a b c}
ARS	OQA-ARSND022 ^d	9061A-ARSND022 ^{a b c}
ARX	OQA-ARXNG022 ^d	9061A-ARXNG022 ^{a b c}
CRS	OQA-CRSNA022 ^d	9061A-CRSNA022 ^{a b c}
FJL	OQA-FJLNF022	9061A-FJLNF022
FJM	OQA-FJMNf022	9061A-FJMNf022
FJR	OQA-FJRNf022	9061A-FJRNf022
FJS	OQA-FJSNF022	9061A-FJSNF022
PCR	OQA-PCRNKZ22 ^d	/

- a. Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
- b. This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna type	Antenna gain	Antenna impedance
Autec stylus $\lambda/4$	<2dBi	50 Ohm
Autec stylus $\lambda/4$ with 5m RG58	<2dBi	50 Ohm

- c. Autec allows you to use only the dedicated antenna supplied either with the remote control or as original spare part. The use of any other type of antenna is prohibited and will invalidate the guarantee.
- d. Place the antenna of the receiving unit in a position that ensures a minimum separation distance of 20cm with all the people that can be in the working area.

1.1 Federal Communications Commission (FCC)

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1.2 Industry Canada (IC)

This device complies with RSS-210 of the Industry Canada 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 Frequencies

The radio link between the units of Autec Dynamic series radio remote controls is built at one of the frequencies permitted by the US, Canadian and Australian standards in force when the system is put on the market.

Frequency band	915-928MHz
RF power	meets FCC and IC requirements
Available radio channels	259
Channel spacing	50kHz

Dynamic series industrial radio remote controls communicate either in dynamic or static mode. Mode is set by the machine manufacturer.

2.1 Dynamic mode

A radio remote control communicating in dynamic mode:

- uses a working frequency in the band 915-928MHz
- checks that the frequency is free before using it
- continually changes the working frequency to maintain the radio link even when interference occurs.

2.2 Static mode

A radio remote control communicating in static mode:

- uses a working frequency in the band 915-928MHz
- checks that the frequency is free before using it
- always works at the same frequency until the stop function is activated.

3 Market

Dynamic series' radio remote controls working in the frequency band 915-928MHz can be used in the US, Canadian and Australian markets.