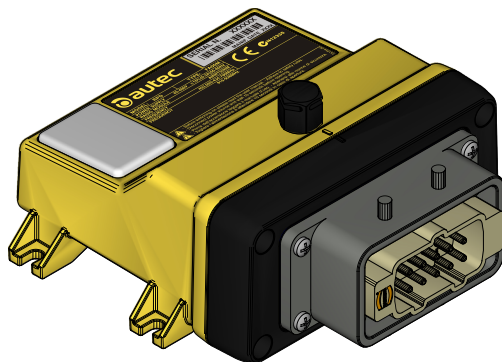


# AIR SERIES

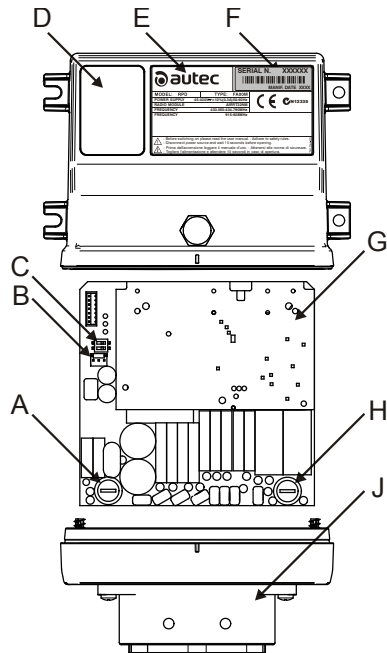
## Part D: receiving unit HACRP8



## INDEX

<b>1</b>	<b>Description .....</b>	<b>2</b>
<b>2</b>	<b>Technical data .....</b>	<b>2</b>
<b>3</b>	<b>Technical data sheet .....</b>	<b>4</b>
<b>4</b>	<b>Plates .....</b>	<b>4</b>
	4.1 Plates on HACRP8 unit in a radio remote control .....	4
	4.2 Plates on HACRP8 unit in a Take & Release system .....	4
	4.3 Plates on HACRP8 unit in a Multi Units or Multi Receiver system .....	5
<b>5</b>	<b>Warnings for installation .....</b>	<b>5</b>
	5.1 Mounting and fastening the receiving unit in the best position .....	5
	5.2 Positioning the antenna .....	6
	5.3 Wiring .....	6
<b>6</b>	<b>Light signals .....</b>	<b>6</b>
<b>7</b>	<b>Operation .....</b>	<b>7</b>
	7.1 Electronic module .....	7
	7.2 DIP switches .....	7
	7.3 Command outputs .....	7
<b>8</b>	<b>Malfunction signalled by the receiving unit .....</b>	<b>7</b>

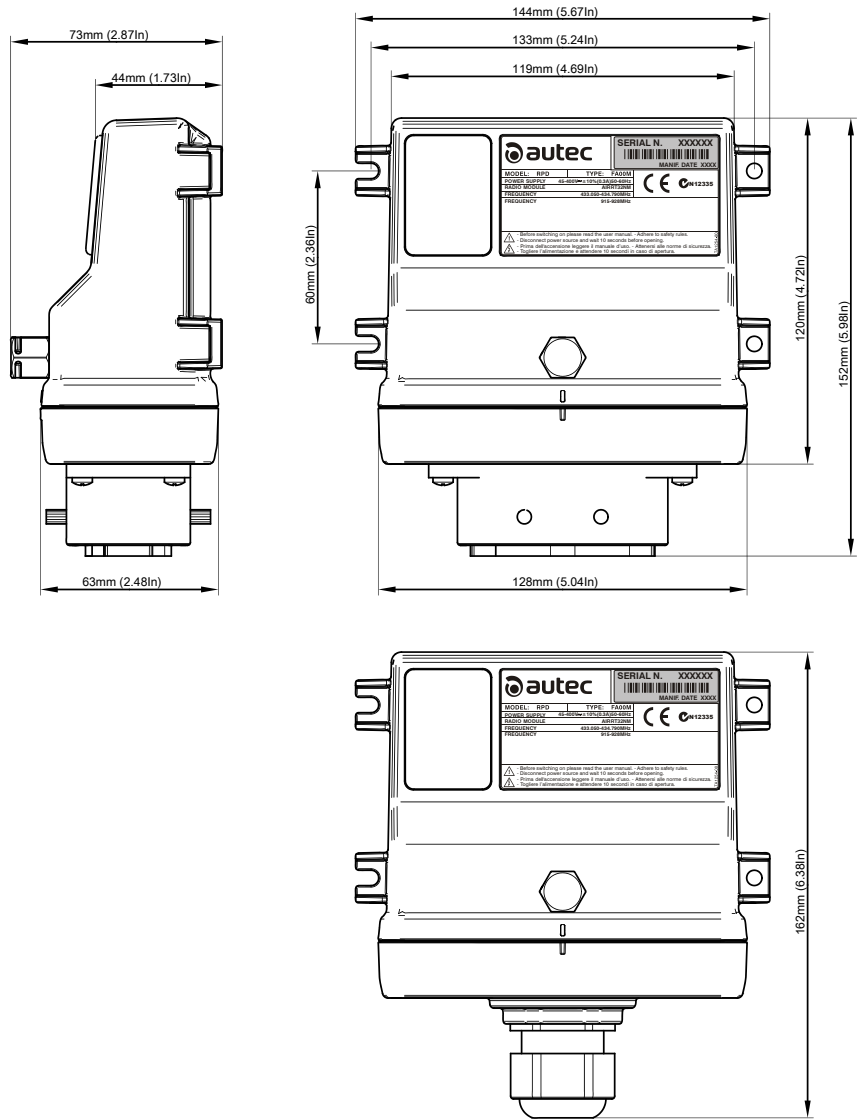
1 Description



A	Power supply protection fuse
B	Connector for buzzer
C	DIP switches
D	Red indicator light
E	Technical data plate
F	Identification plate
G	Electronic module and address key
H	STOP contacts protection fuse
J	Plug or cable gland

2 Technical data

Power supply .....	45-400V~ (max 40-440V~ 0.3A)
Power supply protection fuse .....	2A T 500V (5x20mm)
Antenna .....	internal
STOP contacts rated current .....	4A (250V~)
STOP contacts protection fuse .....	4A T 250V (5x20mm)
Commands rated current .....	4A (250V~)
Housing material .....	PA 6 (20%fg)
Protection degree .....	IP65 (NEMA 4)
Dimensions .....	128x152x73mm (5.04x5.98x2.87In)
Weight .....	0.65kg (1.43Lb)



### 3 Technical data sheet

The technical data sheet contains the wiring diagram showing the connection between the receiving unit and the machine. It also contains the transmitting unit configuration and shows the matching between commands sent and machine functions/movements.

Each technical data sheet must be filled in, checked and signed by the installer, who is responsible for a correct wiring.

A copy of the technical data sheet must always be kept together with this manual (always keep a copy of this data sheet for administrative purposes).



**The wiring of the receiving unit outputs must always reflect the wiring indicated in the technical data sheet.**

## 4 Plates

### 4.1 Plates on HACRP8 unit in a radio remote control

Plate	Position	Content
<b>radio remote control identification plate</b>	On the cover of the receiving unit	Radio remote control serial number (SERIAL N.), bar code and manufacturing year.
<b>technical data plate</b>	On the cover of the receiving unit	MODEL, TYPE and main transmitting unit technical data, marking and possible radio remote control marks.

### 4.2 Plates on HACRP8 unit in a Take & Release system

Plate	Position	Content
<b>system identification plate</b>	On the cover of the receiving unit	System serial number (SERIAL N.), bar code and manufacturing year.
<b>technical data plate</b>	On the cover of the receiving unit	MODEL, TYPE and main transmitting unit technical data, marking and possible radio remote control marks.

### 4.3 Plates on HACRP8 unit in a Multi Units or Multi Receiver system

Plate	Position	Content
<b>system identification plate</b>	On the cover of the receiving unit	System serial number (MULTI S/N), bar code and manufacturing year.
<b>receiving unit identification plate</b>	On the cover of the receiving unit	The serial number of the receiving unit (SERIAL N.) and a bar code.
<b>technical data plate</b>	On the cover of the receiving unit	MODEL, TYPE and main transmitting unit technical data, marking and possible radio remote control marks.

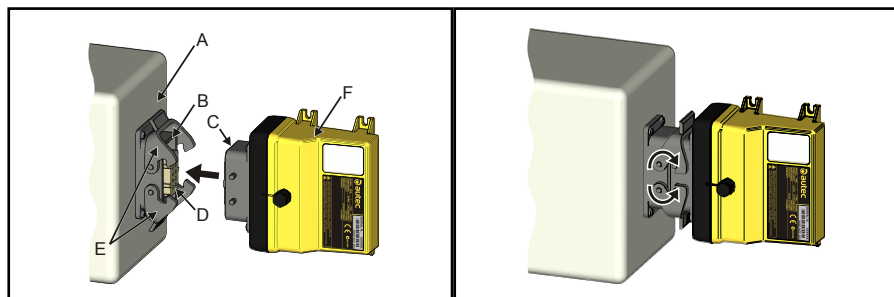
## 5 Warnings for installation

### 5.1 Mounting and fastening the receiving unit in the best position

The following warnings complete and/or replace the corresponding information in the paragraph about part A.




The HACRP8 receiving unit, if equipped with a plug, may be directly connected to the electrical panel of the machine by fastening it through the locking levers on the plug. It is recommended that adequate protection (e.g. a metal wire between the receiving unit and the machine) is arranged to prevent it from falling should a release occur.



<b>A</b>	Electrical panel of the machine	<b>D</b>	Machine maintenance
<b>B</b>	Metal housing of the plug	<b>E</b>	Locking levers
<b>C</b>	Signals on the receiving unit	<b>F</b>	HACRP8 receiving unit


## 5.2 Positioning the antenna


The following warnings complete and/or replace the corresponding information in the paragraph about part A.

	<p>The HACRP8 receiving unit is not set up for the use of an antenna extension kit.</p>
---	---

## 5.3 Wiring

The following warnings complete and/or replace the corresponding information in the paragraph about part A.

	<p>The metal housing of the plug connecting the HACRP8 receiving unit from the electrical panel of the machine must be wired to the earth connector so as to avoid hazards relating to electrical safety.</p> <p>Voltage in the outputs of the receiving unit shall not exceed 250V~.</p>
---	---

	<p>Within the HACRP8 receiving unit, the STOP circuit has two contacts connected in series and it provides a common to all commands.</p> <p>Within the HACRP8 receiving unit, the SAFETY relay is always connected in series to the common of the movement commands: therefore the rest position of actuators is always protected from unintended movements.</p> <p>These connections cannot be modified.</p> <p>In order to supply the receiving unit with 400V~ power, connect it to a 230/400V~ three-phase power line (230V~ line-to-neutral voltage; 400V~ line-to-line voltage).</p>
--	--

## 6 Light signals

**The red indicator light blinks once every 5 seconds:** the receiving unit is powered.

**The red indicator light blinks fast:** the unit is ready to receive the commands sent by the transmitting unit.

## 7 Operation

### 7.1 Electronic module

The electronic module contains the address key, where the radio remote control configuration data are also stored. The receiving unit cannot work without this address key.

### 7.2 DIP switches

DIP switch 1 is used to set the frequency band.

DIP switch 2 shall always be set in the OFF position: do not modify it.

### 7.3 Command outputs

The data sheet contains information regarding the correspondence between the commands sent by the transmitting unit and the related output enabled in the receiving unit.

## 8 Malfunction signalled by the receiving unit

Use the light signals on the receiving unit to identify the radio remote control malfunction. If the problem persists after the suggested solution has been carried out, contact the support service of the machine manufacturer.

Signals	Possible reason	Solutions
The red indicator light is off	Wrong or no power supply.	Correctly plug in the connecting plug between the radio remote control and the machine.
		Make sure that power supply wires are correctly connected and that the power supply value is within the limits specified in the technical data.
		Check the power supply protection fuse and, if needed, replace it.
The red indicator light blinks once every 5 seconds	The transmitting and receiving unit do not communicate.	Start up the radio remote control.
The red indicator light blinks fast	The receiving unit does not activate the outputs of the commands sent.	Check that the outputs are correctly wired and that the commands sent activate the corresponding relays.
		Check the protection fuse of the STOP contacts and, if needed, replace it.

