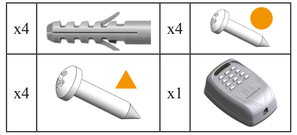
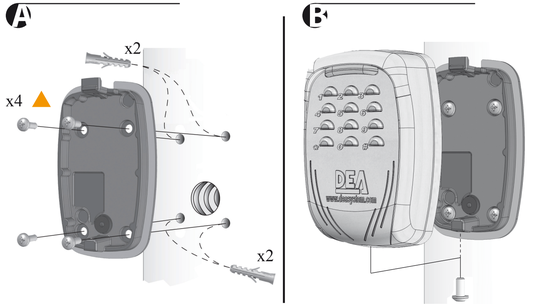
Made in Italy

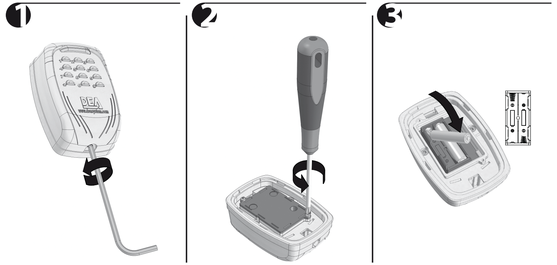
CE

DEA DIGIRAD

Contents of the package







WARNING Use this kind of battery only. Please send exhausted batteries for disposal according to laws in force.

EN

1. Product conformity

DIGIRAD is a CE marked product. DEA System assures the conformity of the product to European Directives 2006/95/CE "low voltage electrical equipment", 2004/108/CE "elettromagnetic compatibility" and 1999/5/CEE radio controls destined to the market of the European Community. DEA System also grants quality and conformity to rule 2002/95/CE (RoHS) of materials used for the product assembly. The Declaration of conformity may be consulted entering: "http://www.deasystem.com/area-download_eng.php".

2. Dangers and warnings

Read carefully; non observance of the following warnings may cause dangerous situations.

WARNING Exclusively qualified personnel must perform any operation of installation, maintenance, cleaning or repairing of the whole automation. Always operate when main power supply is disconnected and follow carefully all the laws, concerning electrical installations, in force in the country where the installation is made.

3. Technical characteristics

Power supply	3V ⎓ - n°2 alcaline batteries 1,5V "AAA type"
Duration of batteries	3 years with 10 transmissions/day
Transmission frequence	via radio 433,92 MHz
Transmitted radio code	66 bit rolling-code with Keeloq encryption algorithm
Max range of transmission	200 m outside. 40 m in case of internal use.
Memorizing activation code	From 1 to 8 digits
Keybord lighting	It automatically lights when you press a key, only if the built-in sensor detects that ambient light conditions are not enough (to save battery).
Dimensions	75 x 112 x 40 mm
Protection rating	IP54
Operating temperature	-20 ÷ 50°C
Weight	300g

4. Product description

DIGIRAD is a 2 function radio transmitter that may be activated by a memorised code; it transmits via a radio rolling code encrypted code that can't be reproduced, conformable with all DEA System receivers.

DIGIRAD may be used inside and outside. No cables needed thanks to the batteries.

5. Assembly instructions

Choose the place where you want to install the keypad, making sure that that the distance from the respective receivers is not superior to the declared maximum range (see paragraph "3. Technical characteristics").

WARNING Do not install the keypad near or on metal surfaces, as this may compromise its working, especially as far as transmission distance is concerned.

Before fixing the device it is advisable to complete a transmission test to check system functionality.

After unscrewing the fixing screw under the DIGIRAD, remove the lower part of the shell and fix it using the proper standard supplied self tapping screws, as shown in Fig. A.

Replace the superior part of the shell checking the correct placing of the O-Ring, then properly fix the fixing screw (see Fig. B).

WARNING For the assembly and/or disassembly, always use the most appropriate equipment meticulously following the existing rules of the country of sale.

6. How it works

The operation of DIGIRAD is comparable to that of any rolling code two-channel radio control DEA System (es. TR2), with the exception that the transmission of each channel is only after you type the activation code in conjunction with the channel.

In order to control the receiver, **you must learn the radio code on it: Set the receiver on fixed rolling code mode or complete rolling code mode (see its user manual) and make a transmission (see 6.1)**.

The following describes the procedures for the "transmission of the radio code" for a "change of activation codes" (you should immediately change the activation codes), and reset the device to restore the default code.

6.1 Code transmission

During production all selectors DIGIRAD are programmed with the same activation code "123" coupled to channel 1 ("*") and to channel 2 ("#"), then:

For the transmission of channel 1:	
a.	enter the activation code of channel 1
b.	followed by the "*" key
For the transmission of channel 2:	
a.	enter the activation code of channel 2
b.	followed by the "#" key

A continuous beep indicates the insertion of the correct code and transmission (if followed by a series of 15 short intermittent beeps indicates that the battery is low, then arrange the replacement). Only two intermittent short beeps indicate you have entered a wrong code.

If the activation codes have already been changed, you must type the new code instead of "123".

6.2 Modification of activation codes

How to modify the activation code of channel 1:	
a.	Press both "*" and "#" keys, keep them pressed until you hear 3 intermittent beeps, then release them.
b.	Enter the old code you want to modify
c.	Followed by "*" key
d.	Enter the new code (from 1 to 8 digits)
e.	Followed by "*" key
f.	Enter the new code once again
g.	Followed by "*" key
How to modify the activation code of channel 2:	
a.	Press both "*" and "#" keys, keep them pressed until you hear 3 intermittent beeps, then release them.
b.	Enter the old code you want to modify
c.	Followed by "#" key
d.	Enter the new code (from 1 to 8 digits)
e.	Followed by "#" key
f.	Enter the new code once again
g.	Followed by "#" key

A long continuous beep indicates the successful modification of the activation code. Two intermittent beep short tone is an error and will exit the procedure without that code amended.

6.3 Reset and restore default code

Where it becomes necessary (eg. incorrect entry of a code, loss of resources etc...) this procedure will reset the device to initial conditions, with restoration of the "123" activation code for both keys.

WARNING performing this procedure, you modify the transmitted radio code and then you must re-learn the receiver.

How to reset the activation code:	
a.	Press simultaneously "*", "#" "8" and "2" keys, maintain them pressed until you hear 4 series of 2 intermittent beeps, then release them.

Reset executed, repeat the learning on the receiver and if necessary modify the activation codes again.

7. Battery replacement

An acoustic signal consisting of 15 intermittent beeps indicates the batteries are low and you should replace them. Proceed as follows to replace the exhausted batteries:

a.	Remove the upper shell by unscrewing the screw under the DIGIRAD (Fig. 1).
b.	Remove the battery protection by unscrewing the two fixing screws (Fig. 2).
c.	Replace the batteries (Fig.3).

WARNING Use this kind of battery only. Please send exhausted batteries for disposal according to laws in force.

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