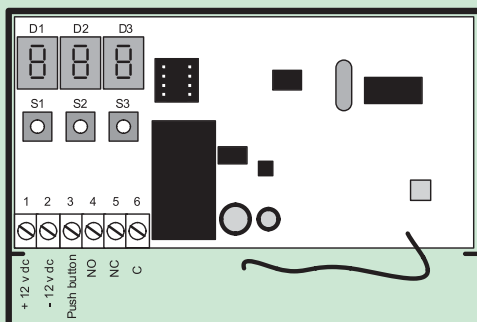


EN  
TECHNICAL  
SHEET

RHF 868-1000



***Control unit with RF receiver Art. RHF 868-1000***



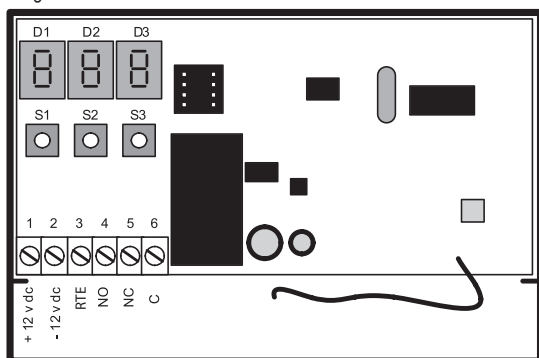
## General introduction

The RHF868 radio frequency unit is a stand-alone control unit with an integral receiver used to manage RHF868 radio transmitters in order to control access to an automatic door. It uses the 868.3 Mhz frequency. The transmitters are registered automatically in the memory by pressing their command button. They are managed later using the 3 buttons on the control unit. They can be put inside the premises to be controlled or in a watertight casing.

## Layout of the electronic card

The card is made up of:

- D1 ; D2 ; D3: Display
- S2: Used to return to programming mode
- S1 and S3: Used to scroll through the programmed locations and the timer settings.



## Description of terminals

- 1 : Power supply 12 - 24 Vdc
- 2 : 0 V power supply
- 3 : Manual command input
- 4 : NO relay output
- 5 : NC relay output
- 6 : Common relay output

**N.B.:** By connecting terminal 3 to the earth, the relay will be activated manually (e.g. exit push button)

## Programming a transmitter

- Press button S2 until the red dot on the display D3 lights up. Release the button. "APR" appears on the display indicating that you are in programming mode. Press the button for the transmitter to be programmed once. The display will show the number of the memory on which it will record the remote control button. Pressing it once more deletes the number and the "APR" message appears once more confirming that programming has taken place. It is then possible to repeat the operation for another transmitter.

To exit training mode press S2 once more.

## Deleting a transmitter

- Press button S2 until the red dot on the display D2 lights up. Release the button. "EFF" appears on the screen indicating that you are in delete mode. There are two ways of deleting a transmitter:

1. Press the button on the transmitter to be deleted. This will be deleted from the memory immediately and the display goes out.
2. Search for the location in the memory with buttons S1 and S3. When the number is displayed, press S2. The relevant memory box will be deleted.

## Deleting all

Press button S2 until the red dot on the display D1 lights up. Release the button. "EFF" appears on the screen indicating that you are in delete all mode. Press S2 again. The display flashes for ten seconds or so and then goes out. The memory has been cleared.

## Timer

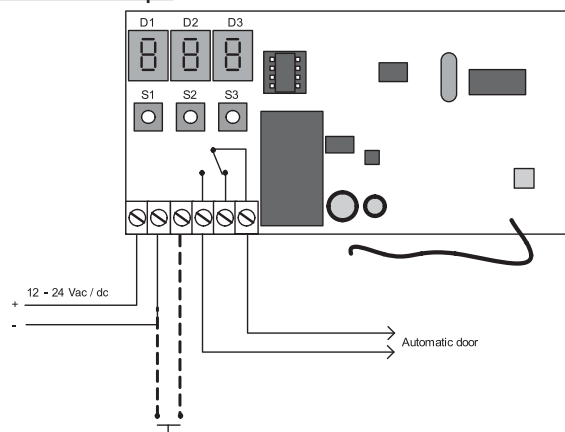
The factory time setting is 2 seconds. To change it, you must press S2 until "REL" is displayed. Release the button. The "tEP" message shows you that you are in timer programming mode. By pressing S1 and S3 you can reduce or increase the time. After setting the time (in seconds), wait for the display to go out. The receiver is in normal operating mode with the new time setting.

Note: in programming mode, if there is no action for 20 seconds, the program exits programming mode automatically to go back to use mode.

## Technical characteristics

- Time for opening the door can be set from 1 - 255 seconds.
- Output via dry contact max. 5A at 250 VAC
- Frequency: 868.3 MHz (EN 300 220)
- Power consumption: 22 mA inactive relay, 95 mA active relay
- Range: 100 metres in a free field
- Operating temperature: -10°C - +55°C
- Operating voltage: 8 - 24 Vdc
- Dimensions (h x l x d) 55 x 87 x 20 mm

## Connection example



It is necessary to use a separate Power Supply for the Electric Lock