

# A<sup>RF78</sup>

## Remote control with buzzer for use by partially sighted people and the blind



ARF7565 remote controls are 868.3MHz ASK unidirectional remote controls that can be decoded by receivers in the ARF6751 range. When transmitting, the remote controls transmit a command protocol complying with **the NF S32-002 (§9.2.2) December 2004** standard using amplitude modulation. The transmission lasts 2 seconds.

### Operational specification

#### Short press

With a brief press on the key the remote control transmits a 2 second frame. The LED lights up in red during the whole transmission.

#### Long pres

Initially the remote control acts as if for a short press, but then enables continuous mode.

In this case, the transmitter transmits 6 frames periodically until it is interrupted by a further long press on the key.

An audible indicator indicates that the transmitter is operating properly and the state of the battery:

- **1 short beep** : continuous transmission enabled
- **2 short beeps** : continuous transmission enabled
- **1 long beep** : continuous mode disabled

## Specifications

### General characteristics

• Frequency band	<b>868.3MHz</b>
• Battery	<b>3V power supply via a lithium CR2430 battery</b>
• StdBy Consumption	<b>&lt; 1uA</b>
• Average battery life	<b>8 years</b>
	<b>On the basis of 10 key presses / day</b>
• Overall dimensions (wxLxh)	<b>46x77x17mm</b>
• Temperature range	<b>-30 / +70°C</b>
• Comply with	<b>NF S32-002 / EN300-220 / EN301-489</b>
• Number of keys	<b>1</b>

### Radio transmission characteristics

• Modulation	<b>ASK</b>
• Radiated HF power	<b>&gt; -10 dBm</b>
• Consumption at max power	<b>&lt;15mA</b>

This specification document is based on the following existing documents :

- NF S32-002 dated December 2004

### Part Numbers

ARF7565 C	1-key remote control + buzzer
ARF6751 A	Receiver

## Your distributor