

# KEY-302DA

27MHz 2-Channel Dual Access Remote Control Transmitter

## Features

- Small keyring transmitter compatible with the FMT-202DA.
- Flashing LED indicates flat battery.
- Crystal based architecture, providing faster frequency settling, greater modulation depth and reduced temperature dependence.
- Available with customised front label, brand it with your own company logo.
- Easy to program and install with code switch technology.
- Durable plastic case.



## Description

This 2-channel remote control transmitter is used for remote control applications where **channel 1** is for a **main entry** and **channel 2** is for a **private entry (Dual Access)**. When channel 1 (Main Entry) is pressed, code switch 1 to 4 is transmitted as is on the code switch and 5 to 12 is transmitted as OFF regardless to the code switch settings. When channel 2 (Private) is pressed, code switch 1 to 12 is transmitted as is on the code switch. This enables the user to have channel 1 (Main Entry) as a common code and up to 256 different, channel 2 codes. An application would be a large home unit where there is a Main Entry (Channel 1) and up to 256 private garages (Channel 2) within the home unit.

## Operating Distance

<b>Range (metres)</b>	<b>Receiver Antenna</b>	<b>Receiver Type</b>
Up to 20	300 mm wire	FMR-... series
Up to 50	Elsema's ANT27M	FMR-... series

(Range tests were done in an open area test site with line-of-sight operation and no interference. The receiver antenna wire was fixed vertically, away from any metal objects.)

**Accessories** (Also available separately)

	
<b>Key ring</b>	<b>4LR4 6V Battery 150mAh</b>

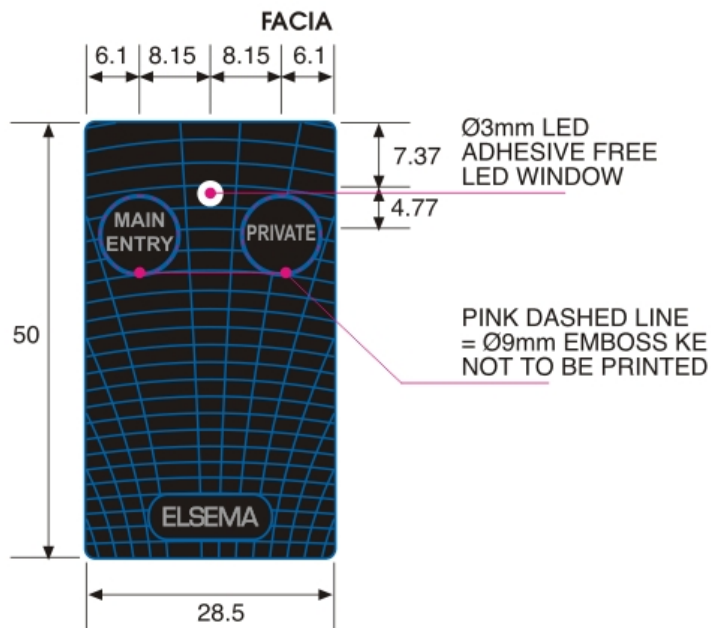
Other compatible batteries are Duracell 28L (170mAh), Kodak K28L (160mAh), Energizer A544 (150mAh) or Sanyo 2CR-1/3N (160mAh).

**Technical Data**

<b>Supply Voltage</b>	6V Alkaline Battery (4LR4) Also Known as 4SR44, A544, PX28L, K28L, 28L or 2CR-1/3N
<b>Current Consumption</b>	40mA (typical) at 6VDC supply during transmission.
<b>Standby Current</b>	Less than 6uA.
<b>Operating Frequency</b>	27.145MHz (Other frequencies available: 27.045, 27.195 & 27.455MHz. NB. 27.455MHz is available for Europe Only)
<b>Carrier Freq. Tolerance</b>	Crystal controlled 30 parts per million (0-50°C)
<b>Radiated Field Strength</b>	70 dBuV/m at 3 metres (±3dB) or 3uWatts
<b>Antenna</b>	Built-in 30mm proprietary DILEC rod
<b>Type of Emission</b>	Narrow-bandwidth Frequency Modulation (5K00F1D)
<b>Bits per second</b>	926 bps
<b>Necessary Bandwidth</b>	± 2.5 KHz
<b>Digital Coding System</b>	Onboard 12-way coding switch (4096 codes)
<b>Dimension</b>	65 x 40 x 15 mm
<b>Weight</b>	30g (excluding battery)
<b>Useable Operating Range</b>	Up to 50 metres depending on building structure and receiver antenna
<b>Compatible Receivers</b>	All Elsema type FMR series

**Customised labels**

This transmitter is also available without the front label. Customers can purchase the KEY-302DANL which is a keyring type transmitter without the front label. This enables the customers to fit their custom made labels. Details of label dimensions are given below.



**KEY-302DA**

Customers who wish to have their own lexans can email us their designs.

Send your designs to [mem@elsema.com](mailto:mem@elsema.com)

You can have your own company logo and specific text printed on the lexans. e.g. Up, Down, Right and Left or Start, Stop etc.

The minimum quantity for custom lexan is 10 pieces per order.

**Manufactured by**

**Distributed by**

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