

# 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

Range (metres)	Receiver Antenna	Receiver Type
Up to 50	300 mm wire	FMR-... series
Up to 100	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.)

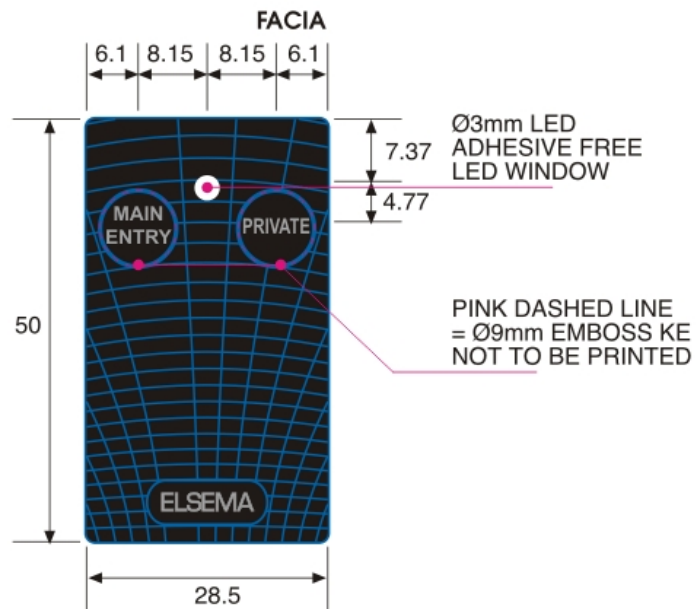
**Accessories** (Also available separately)

	
<b>Key ring</b>	<b>4LR44 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 (4LR44) 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 ( $\pm 3$ dB) 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>	$\pm 2.5$ 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 100 metres depending on building structure and receiver antenna
<b>Compatible Receivers</b>	All Elsema type FMR series

**Labels****KEY-302DA**

**Customised front labels can be made by:**

**Entech Electronics Pty Ltd**  
37 Belford Avenue, Devon Park,  
South Australia 5008, Australia

Phone: (61) 8 8245 6789

Fax: (61) 8 8245 6788

Email: [sales@ecg.entechgroup.net](mailto:sales@ecg.entechgroup.net)

**Manufactured by**

**Elsema Pty Ltd**  
3/10 Hume Rd, Smithfield  
NSW 2164  
Ph: 02 9609 4668  
Fax: 02 9725 2663  
Website: <http://www.elsema.com>

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