

Transmitter Specifications				
Specification	Binary	Zippy	Clone	Hopper
Available buttons	1 or 3 Button	1 or 3 Button	1, 3 or 4 Button	1, 3 or 4 Button
Operating frequency	403.55 or 433.92 MHz	403.55 MHz	403.55 or 433.92 MHz	433.92 MHz
Modulation	ASK	ASK	ASK	ASK
Emitted RF power	Better than 0dBm	Better than 0dBm	Better than 0dBm	Better than 0dBm
Spurious Emissions	Above 1000MHz <200pW Below 1000MHz approx. 125nW	Above 1000MHz <200pW Below 1000MHz approx. 125nW	Above 1000MHz <200pW Below 1000MHz approx. 125nW	Above 1000MHz <200pW Below 1000MHz approx. 125nW
Coding System	12 Bit Binary (4096 code) Dip Switch	12 Bit Binary (4096 code) Programmable Dip Switch free	Universal Self-Learn*	64 Bit Keeloq®
Power requirement	12v Alkaline (GP23A)	12v Alkaline (GP23A)	12v Alkaline (GP23A)	12v Alkaline (GP23A)
Current (operating)	+/- 25mA @ 12v Dc	+/- 25mA @ 12v Dc	+/- 20mA @ 12v Dc	+/- 15mA @ 12v Dc
Dimensions (approx.)	74 x 33 x 14 mm	74 x 33 x 14 mm	74 x 33 x 14 mm	74 x 33 x 14 mm
Warranty	12 Months Limited	12 Months Limited	12 Months Limited	12 Months Limited
Product approvals	EN 300 220, CE, ICASA	EN 300 220, CE, ICASA	EN 300 220, CE, ICASA	EN 300 220, CE, ICASA

\* Universal Self-learn products can learn the 12 Bit Binary, 9 Bit Trinary (both inverted and non-inverted), 12 Bit French code and Smart2\*\* (433 Mhz models only) coding systems.  
\*\* Trademark of Centurion Systems.

Receiver Specifications			
Specification	Multiplex	Supaplex	Securplex
Receiver type	Super Regenerative	Super Heterodyne	Super Heterodyne
Relay Outputs	1 Channel	1 or 3 Channel	1 or 3 Channel
Operating Frequency	403.55 / 433.92 MHz Dual Selectable	403.55 or 433.92 MHz	433.92 MHz
IF (Intermediate frequency)	N/A	10.7 MHz	10.7 MHz
RF bandwidth	+/- 5 MHz	+/- 350 KHz	+/- 350 KHz
Modulation type	ASK	ASK	ASK
Sensitivity	-85 dB +/- 3dB	-107dB +/- 3dB	-107dB +/- 3dB
Spurious radiation	N/A	Below 1000MHz < 200pW Above 1000MHz < 200pW	Below 1000MHz < 200pW Above 1000MHz < 200pW
Coding System	Universal Self-Learn*	Universal Self-Learn*	64 Bit Keeloq®
Code Storing Capability	Single user model : 1 code only Multi-user model : 300 codes	Multi-user 300 Codes	250 Codes (Non-display version) 999 Codes (3 Digit Display version)
Power requirements	12v DC Input (10v-16v max) - 24v AC/DC Input (12v-30v max)	12v DC Input (10v-16v max) - 24v AC/DC Input (12v-30v max)	12v DC Input (10v-16v max) - 24v AC/DC Input (12v-30v max)
Current Consumption (Approx.)	Standby: 9mA @ 12v Dc Relay Operating: 40mA @ 12v DC	Standby: 9mA @ 12v Dc Relay Operating: 45mA @ 12v DC	Standby: 9mA @ 12v Dc Relay Operating: 45mA @ 12v DC
Current Consumption (with LED Display onboard) (Approx.)	N/A	N/A	Standby: 9mA @ 12v Dc Learn Mode: 75mA @ 12v Dc Relay Operating: 100mA @ 12v DC
Relay contacts	Normally Open or Normally Closed	Normally Open or Normally Closed	Normally Open or Normally Closed
Trigger	Momentary (Hold-In), or Latching (Continuous)	Momentary (Hold-In), or Latching (Continuous)	Momentary (Hold-In), or Latching (Continuous)
Max. permissible load	2Amp @ 24v DC	2Amp @ 24v DC	2Amp @ 24v DC
Dimensions (approx.)	86 x 69 x 26 mm	86 x 69 x 26 mm	86 x 69 x 26 mm
Warranty	12 Months Limited	12 Months Limited	12 Months Limited
Product approvals	EN 300-220, EMC, CE, ICASA	EN 300-220, EMC, CE, ICASA	EN 300-220, EMC, CE, ICASA

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technical specifications

# product catalogue



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