

Bio eLock Datasheet



General Specifications	
Transmitter	
Operating Voltage	6V – 24V
Battery Type	Bio eLock S - 3V CR123A Lithium Cell x 4 Bio eLock F - 1.5 V AA Alkaline Cell x 4 or 3V CR123A Lithium Cell x 4 or 1.5 V AAA Alkaline Cell x 4
Current consumption	160uA Standby 87mA Maximum (enrolment)
Operating Frequency	433.92mhz SAW Resonator Locked (+/- 75khz)
Transmission Modulation	AM ASK
Transmission Security	Keeloq™ Code Hopping Technology
Number of Users	Up to 30 Fingerprint Templates Built-in Storage
RF Range	30 metres maximum (Environment Dependant)
Touchchip™ sensor life*	1 Million reads
False Accept Rate*	0.01%
False Reject Rate*	1%
Receiver	
Operating Voltage	10 - 24VDC
Power ON indicator	Green LED
Current consumption	26mA standby 175mA chime 1 second 45mA low battery signal 250mA maximum (all outputs no door strike)
Output 1 (Door)	Timed voltage free SPDT relay Common can connect to +12 or GND via J1 (T3)
Output 1 timing	4 settings via on board DIP switch SW1 ON = 5 seconds SW2 ON = 10 seconds

	SW3 ON = 15 seconds SW4 ON = 20 seconds Note: All times are approximate
Output 2 (Public auxillary switching)	voltage free SPDT relay timed action
Relay Rating	1 Amp @ 24VDC maximum
Low Battery Signal	Flashing RED LED and warbling piezo for 7 seconds upon receipt of low battery signal from reader. Repeats upon each reader activation.
RF Operating Frequency	433.92MHz
RF Signal Type	Code Hopping (Keeloq™) ASK
RF Range	30 metres Line of Sight (Environment Dependant)
Output 2 ON/OFF	J2 (T2) shunt on PCB
Output 2	Onboard SPDT Relay