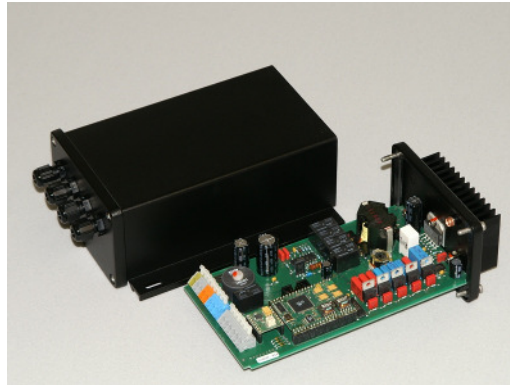


Long Range Reader DSR100



Elatec's long range reader DSR100 is an integrated compact reader for 125 kHz transponders. It combines state of the art technology (DSP, synchronous demodulation) in a small housing. Reading distance of up to 1m (depending on size of tag and orientation) integrated in a robust housing demonstrates the conception to heavy industrial applications

The modular system allows specific configuration and interfaces.

Technical data

Housing	Aluminum
Processor	Multi-processor system for protocol layer and DSP for real time data processing
Frequency	125 kHz and 134 kHz
Antenna tuning	Automatically by connecting to power supply and during operation if necessary (self detection)
Dimensions (L x W x H)	222 mm x 145 mm x 78 mm
Power supply	24V DC
Current input	Typical 1A
Temperature range	-20°C to +50°C (-4° F to 122° F)
Relative humidity	5% - 95% non condensing
Antenna	External connection for application optimized antennas, automatic tuning capability of antenna
Read- / write distance	Depending on size and orientation up to 1m
Supported transponders	<ul style="list-style-type: none"> • EM4102, UNIQUE • HITAG-1, HITAG-S • EM4150, TITAN • EM 4105, ZOODIAC • EM4025 • Q5, T5557, T5567, T5577
Demodulation	Synchronous demodulation
Relay	24 V DC / 3 A permanent current
Approvals	CE
Protection	IP65
Connection standards	RS232 or USB
Order code	DSR101: Reader with serial interface DSR106: Reader with USB interface DSR111: Starterkit with external antenna (size 28 cm x 28 cm), test software and drivers.

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