

DATA SHEET

EasyReader Contactless CAN Reader

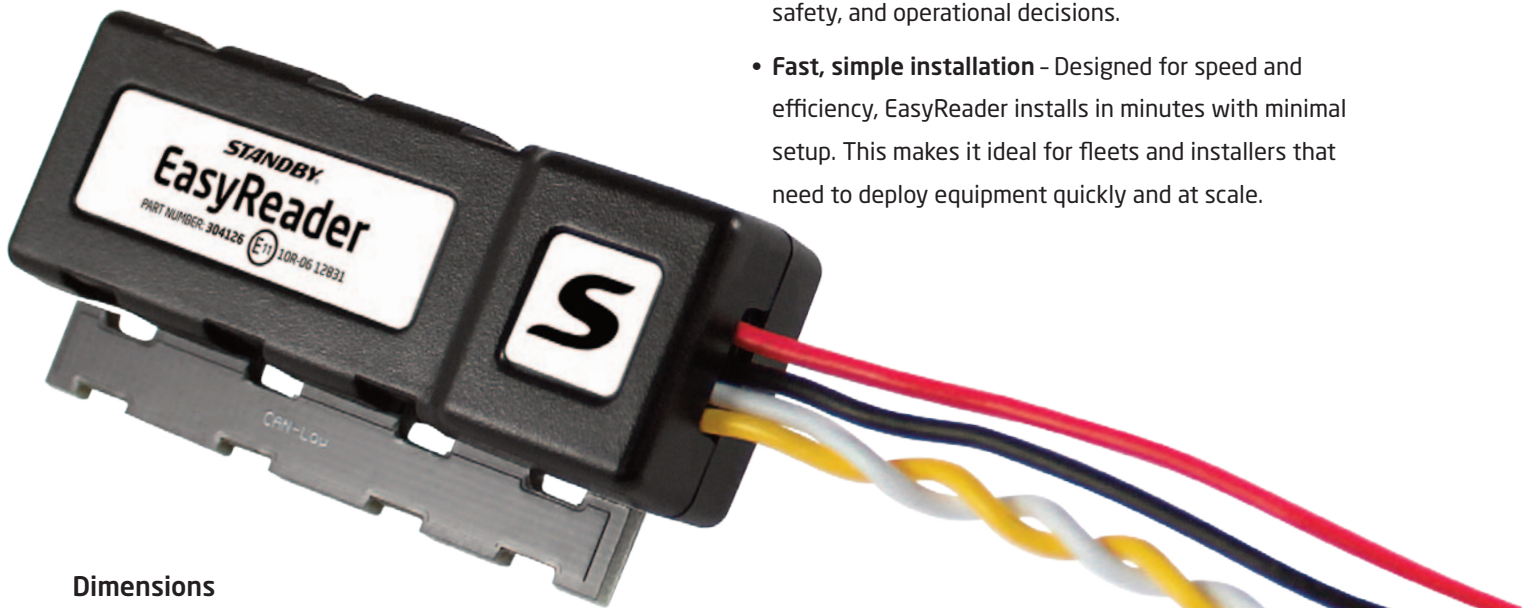
Part Number: 304126

Overview

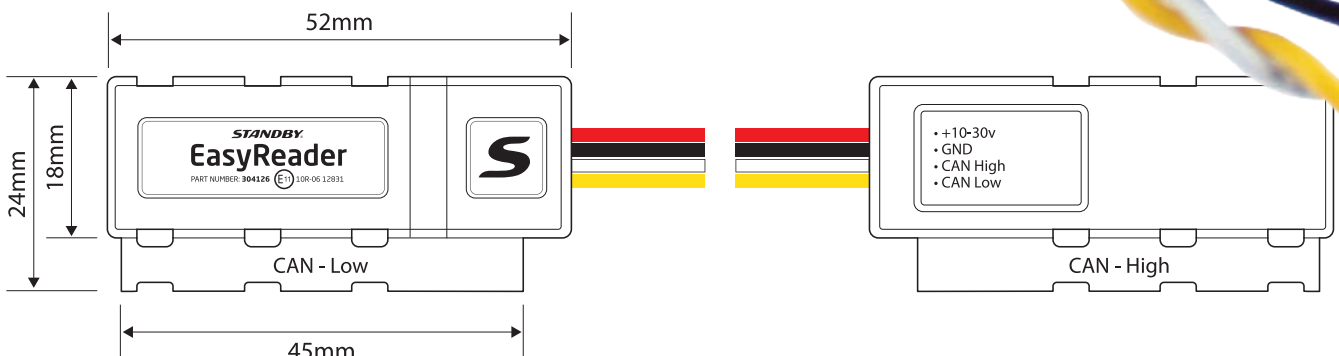
The EasyReader is a contactless CAN reader (also known as a can clip) which provides a fast, clean, and non-intrusive way to access vehicle data without cutting or modifying factory wiring. By simply clamping around the CAN bus cables, it enables compatible CAN-enabled devices to access vehicle signals such as speed, indicators, or reverse gear, helping protect vehicle warranties and maintain system integrity. This makes it an ideal solution for aftermarket products like dash cameras, telematics systems, and fleet accessories. EasyReader offers a flexible, professional installation option tailored to your vehicle and data needs.

Key Features

- **Non-intrusive & warranty-friendly** - The EasyReader's non-contact CAN bus technology is 100% non-intrusive, requiring no soldering, wire cutting, crimping, or direct electrical connections. This eliminates the risk of damage to the vehicle wiring harness and helps preserve manufacturer warranties.
- **Safe, accurate & reliable data access** - EasyReader delivers precise CAN data readings without interfering with the vehicle's electrical systems. This ensures dependable performance and trusted data for critical vehicle monitoring, safety, and operational decisions.
- **Fast, simple installation** - Designed for speed and efficiency, EasyReader installs in minutes with minimal setup. This makes it ideal for fleets and installers that need to deploy equipment quickly and at scale.



Dimensions



General Notes

- Before starting installation, please read the documentation fully as the performance of the device is dependent on correct installation.
- This device is designed for automotive use only. It must not be used in situations where human life is dependent on its performance.
- Installation of this device may conflict with some countries regulations, or the vehicle manufacturers instructions. Compliance with these regulations shall solely be the customers responsibility. Improper installation may invalidate the vehicle warranty.
- Prior to the commencement of any work, the correct PPE should be worn and a risk assessment should be conducted in accordance with your company policies.
- Ensure manufacturers guidance is followed during the installation.
- The device must be installed by a suitably qualified and experienced professional skilled in automotive electronics.
- Misuse, physical damage and incorrect installation will invalidate the warranty of this device or systems using this device.
- Vehicle batteries should be isolated before working on any electrical systems.
- If using the OEM body builders module to gain CANbus information, ensure the module is correctly configured by the manufacturer.
- Do not secure the device in a way where it will interfere with the vehicles control systems. E.g. steering column, brake pedals etc.
- Other people may install equipment after you, so your work must be firmly secured in place, this includes devices and cabling.
- Connecting the power supply and ground should be done as per OEM specifications. Once any jointing or crimping has been completed, testing should be conducted to ensure the joint is compliant with the crimp specifications and all other relevant standards.
- We do not recommend drilling through vinyl (vehicle decals etc) as this will lead to blistering from the heat generated. Holes should be fitted with a grommet and sealed with appropriate sealant.
- Any alteration to metal must be de-burred and all sharp edges removed. Exposed bare metal must be treated with appropriate anti-corrosion solution in accordance with manufacturers recommendations. Any swarf produced must be collected by placing a magnet or catchment device under the area of modification. No swarf is to be left on or in a vehicle.
- We recommend using flexible polyurethane sealants. Any sealed areas must be sealed to a minimum of IP65 and must comply with the vehicle manufacturers recommendations.
- Any serial / key numbers from the equipment being installed must be logged against the vehicle identity for future reference.
- Due care has been taken in creating the information contained within this guide, Standby UK does not and cannot guarantee the accuracy thereof. Anyone using the information contained in this document does so at their own risk, Standby UK will not indemnify for any injury or damage arising from such use.

Installation

EasyReader is a capacitive coupling device, so there is no requirement to cut, pierce or to solder the CANbus wires. CANbus must be intact for correct vehicle/equipment CANbus communication. If incorrectly connected, the CANbus wires may affect vehicle/equipment operation and potentially cause safety issues. To avoid damage to the sensing surface clean wire surfaces, (use isopropyl alcohol for cleaning if required).

Signal Input

The Upper and Lower contact surfaces on the external portion of the EasyReader are labelled CAN Low and CAN High.

Fitting

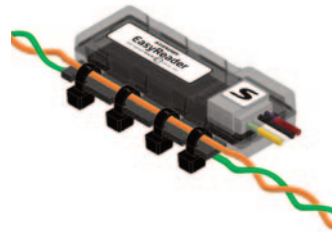
To prevent stressing the wires; It is suggested to connect the CAN wires to the EasyReader first. Ensure that the CAN High Wire is laid across the CAN-H contact pad and that the CAN Low Wire is laid across the CAN-L contact pad then secure them in place with the 4 x 100mm cable ties provided as shown below.

- The CAN Wires are secured with the 4 x 100mm cable ties provided, ensure the CAN wires are untwisted and positioned correctly over the matching CAN L and CAN H pad.
- Next, connect the signal output wires (from pins 1 and 2) to device (AVS, Fleet management etc).
- Provide Power Supply (9v-32v) the red wire (pin 4) and ground to the black wire (Pin 3). It is recommended to use a fused power supply (3 Amp).
- Secure the EasyReader to the vehicle using 2 x 200mm cable ties provided

LED Status

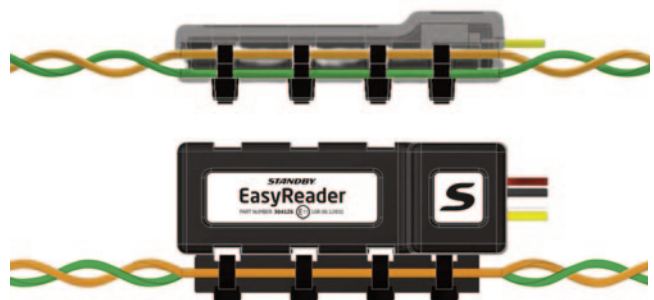
When reading data, the EasyReader LED will flash red every time a data packet is received. At all other times the LED will be off.

Note: If the Baud rate is 500Kbps or higher the LED will not light up.



Power Supply and Signal Output

PIN	COLOUR	FUNCTION
1	Yellow	CAN Low
2	White	CAN High
3	Black	0v (Ground)
4	Red	+9-32v / Fuse 3A

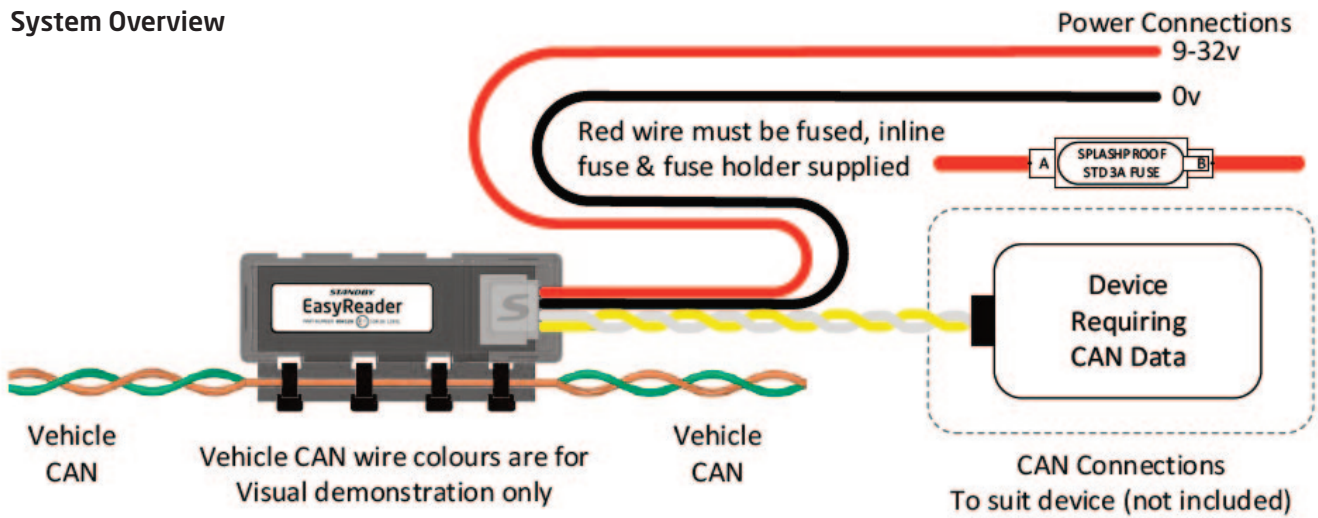


Technical Data

Electrical	Operational Voltage	10-32 Volts
	Quiescent Current (500Kbps)	4.6mA
	Typical Current (500Kbps)	17.9mA
	Peak Current (500Kbps)	30mA
CAN	Number of Channels	1
	Maximum Speed	1 Mbps
	Body Length	52mm
Specifications	Loom Length	500mm
	Body Width	18mm
	Total Width	24mm
	Height	9mm
	Weight (including loom)	15g
	Type Approval	E11*10R06/02*12831*00

Please note: Vehicle CAN wires within the illustrations in this document are for visual demonstration purposes only and may vary from manufacturer to manufacturer.

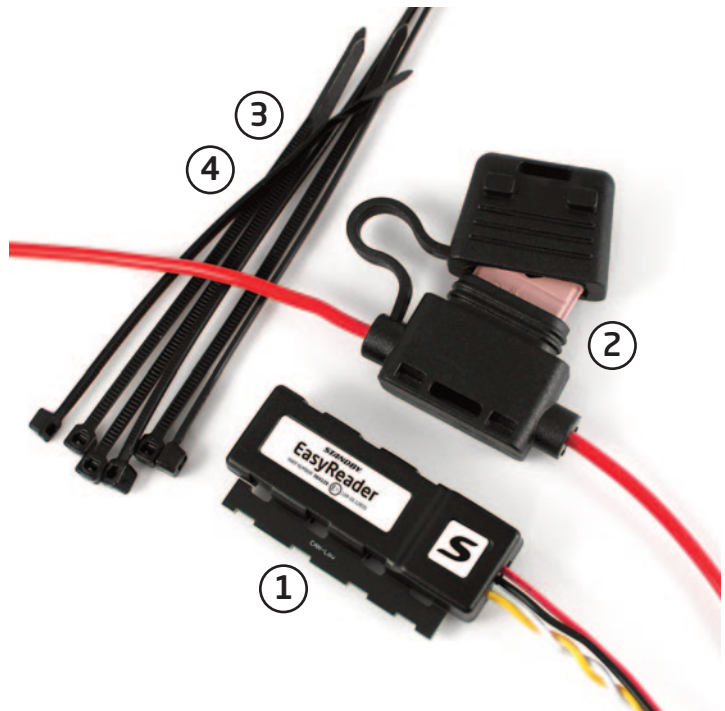
System Overview



Kit Contents

Components

- 1 304126 - EasyReader unit with 7500mm loom
- 2 500753 - Splashproof inline fuse holder with 3A fuse
- 3 303947 - 2 x 200mm x 2.5mm black nylon cable ties
- 4 702135 - 4 x 100mm x 2.5mm black nylon cable ties



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