

D130 - CAN tapping device (sniffer)

The CAN tapping device is used to connect telematic unit to the CAN bus without any influence of the CAN bus. The tapping device only touches the wires through the insulation.

It is used in cases where it is not possible to interfere with the wiring in the vehicle and connect directly to the CAN bus. It reconstructs the CAN bus signals based wires. This product is characterized by minimal quiescent current consumption and can therefore be connected to a fixed power supply in passenger cars.



Technical Specifications

Power		Wiring the wires	
Power and consumption	3,8 - 42 V	Red	Power
Consumption at rest	0,17 mA	Orange	CAN_H
Consumption in operation	5 mA	Orange-brown	CAN_L
Max. bus speed	up to 500 kb	Brown	GND

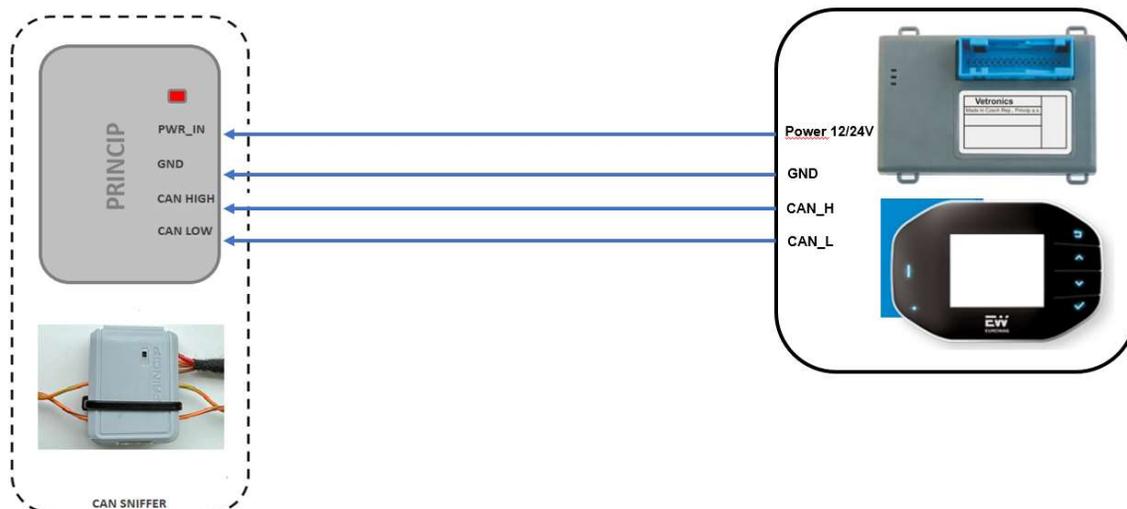
Installation procedure

Divide the twisted CAN bus wires in lengths of about 4 cm and insert the tapping device between them. Place the wires in the correct grooves on the tapping device and snap the tapping device firmly into place and fix with tightening tape. When power is applied, the red LED will flash to indicate operation on the bus. This indication does not mean that the data is being read correctly (you will not recognize the CAN L and CAN H swap). You must check for error-free operation using the device you are connecting to the CAN bus in this way. In case of signal failures, check that the wires are firmly pressed against the sensing surfaces of the tapping device. The telematic unit connected to tapping device must not have a bus terminating resistor (terminator) on its side!

Notes and warnings

1. The CAN tapping device may not be compatible with devices other than Vetronics telematics units.
2. The device that reads the output of the tapper must not contain a termination resistor.
3. The CAN tapping output is designed to connect only a single device.
4. The twisted output cable from the CAN tapper should not be longer than 1m.
5. It is not possible to send or acknowledge received messages to the connected bus.

Connection to the unit:



For Vetronics units, we connect the CAN tapping directly to the harness connector at the appropriate positions, see table below. It is necessary to remove the blue connector cap and then insert into the connector to the respective positions. For EW OBUs, the pins at the end of the individual wires must be pinched off and connected directly to the EW OBU harness

CAN sniffer		Vetronics unit	EW OBU-EVA unit
Signal	Colour	Position on the cable harness	Wire colour
Power	red	S810/S820 position 28 or 1, other units only position 1	red wire
GND	brown	3,4, or 24	black wire
CAN_L	orange-brown	CAN0 position 31 or CAN1 29	orange-white wire
CAN_H	orange	CAN0 position 32 or CAN1 30	orange wire

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