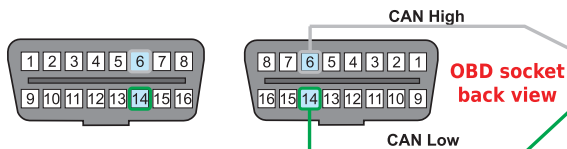


# **TECH-32x OBD controller - connection with OBD**

## **ISO 15765-4 CAN**

(11/500)  
(29/500)  
(11/250)  
(29/250)

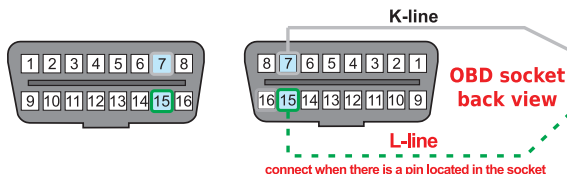


**TECH 32x OBD controllers** can connect with protocols: **ISO 15765-4 CAN (11/500, 29/500, 11/250, 29/500), ISO 9141-2, ISO 14230 (slow,fast)**

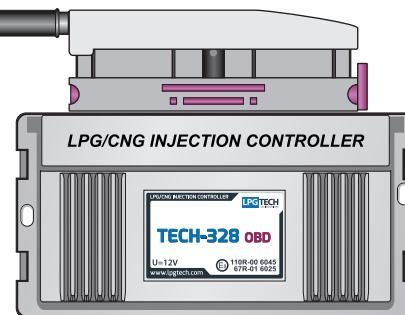
**To connect with SAE J1850 VPW i SAE J1850 PWM protocol, SCANNER TECH-OBD has to be used.**

Socket with **CAN ISO 15765** protocol has signal pins in connector **6 i 14**.  
Solder **white** wire to wire in connector **no.6**.  
Solder **green** wire to wire in connector **no.14**.

## **ISO 9141-2 ISO 14230 SLOW FAST**



Socket with **ISO 9141** and **ISO 14230** has signal pins located in connector **no.7** and **optionally no.15**. Wires white and green from lpg controller harness connect to OBD socket. Solder **white** wire from lpg controller harness to wire in connector **no.7**. **If there is pin no.15 located in the socket** then solder **green** wire from lpg controller harness to wire in connector **no.15**.



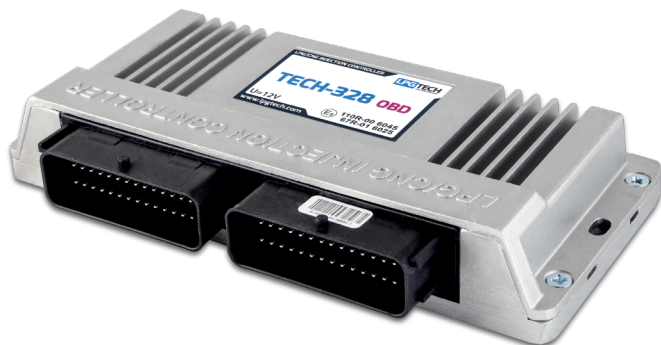
**CAUTION**  
To update controller firmware use  
OptoTECH communication module.



In case of the absence of **pins 6 and 14** in the diagnostic socket of the car, where the detected transmission protocol is **ISO 15765-4 CAN**, connect the wires as follows:

- The **white one** from the scanner to **pin 3** in a car socket
- The **yellow one** from the scanner to **pin 11** in a car socket

## **TECH-32x OBD** controller technical description



- ✓ LPG/CNG injection controller.
- ✓ Automatic, intelligent OBD data trouble codes erasing.
- ✓ Automatic, real time LPG/CNG injection time correction based on petrol ECU parameters readed via OBD bus.
- ✓ OBD mapping while driving without PC connection need.
- ✓ OBD scanner function - OBD parameters, data trouble codes reading and erasing.
- ✓ Support up to 4/6/8 cylinders - depends on controller version
- ✓ Ability to work in MASTER/SLAVE mode for up to 16 cylinder support

- ✓ TECH algorithm + automatic correction system (adaptation)
- ✓ Configuring software with TECH and STANDARD option
- ✓ Self-diagnostic system
- ✓ Short-circuit and thermal protection
- ✓ Aluminium case

- ✓ **Supported OBD protocols: CAN (11/500; 29/500; 11/250; 29/500), ISO 14230 slow, ISO 14230 fast, ISO 9141 (using the same wires for CAN and ISO). In some cars (especially USA cars) SAE J1850 VPW/PWM protocols are used. In this case **SCANNER TECH-OB** should be used**

### **!!! WARNING !!!**

For cars equipped with LPG controller and **OB** module: to switch on/off OB module, turn on ignition, then press and hold for 6sec. button on switch-over switch

After car conversion to lpg/cng warning stickers should be placed:

1. near the OBD socket
2. in the engine compartment