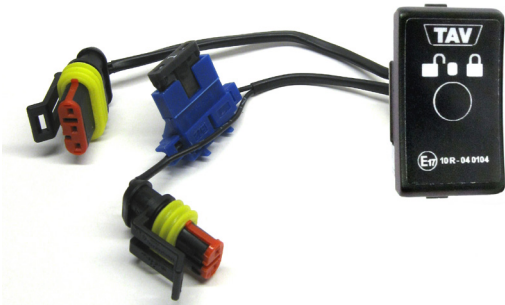




# INSTALLATION INSTRUCTIONS

## TAV5960/1.6.2016

### TAV5960 E-APPROVED REMOTE DISPLAY EQUIPMENT SET



With the help of the remote display equipment set, the driver can check from the cabin's indicator light whether the coupling head has been locked. The set can be installed on TAV50/TAV50D coupling heads.

The remote display equipment features a push button, which can be used to turn off the indicator light as necessary. The indicator light is lit when the open/closed status of the coupling head changes and when the button is pushed. The brightness of the LED lights adjusts according to the luminosity of the surroundings.

#### Available model-specific versions:

TAV5960SC (Scania)

TAV5960SC-2 (new Scania)

TAV5960VO (Volvo)

TAV5960MB (Mercedes-Benz/Sisu)

TAV5960 (MAN/general model)

TAV5960IV (Iveco)

The model-specific versions are meant to be installed in the place of a cover on an empty switch spot on the dashboard. The general model (TAV5960) can be installed to other truck models in an installation opening of 22 x 44 mm.

The set includes the indicator light panel with an integrated central processing unit that controls the equipment operations. The delivery includes 15 m of sensor cable (TAV5952, Figure 1) and the required installation connectors.

#### CONNECTION OF THE REMOTE DISPLAY EQUIPMENT SET

1. Connect the sensor cable to the sensor as displayed in Figure 2.
2. Guide the sensor connection cable from the coupling head to the cabin of the vehicle.
3. Connect the 3-pole (numbered) connector to the end of the sensor cable as displayed in Figure 3.
4. Connect power supply to the 2-pole connector as displayed in Figure 4.
5. Install the indicator light to the dashboard and connect the connectors to the connectors of the indicator light.
6. Check the operation of the sensor. The sensor is installed correctly when the red indicator light is lit when the mechanism handle is raised and the coupling pin moves slightly upwards. When the coupling is attached the green indicator light is lit.

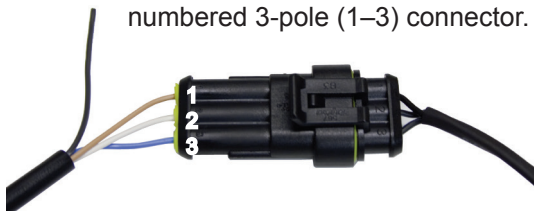


Figure 1



Figure 2

Figure 3 The sensor cable connection to the numbered 3-pole (1–3) connector.



1. **Brown** – sensor supply voltage (+24 V)
2. **White** – control coming from sensor
3. **Blue** – sensor GND (-)
4. **Black** – not to be connected

Figure 4 Power supply to the numbered 2-pole (1–2) connector.



1. +24 V
2. – GND



## INSTALLATION INSTRUCTIONS

TAV5961/1.6.2016

### TAV5961 LOCKING SENSOR

The sensor holds the independent approval according to the E Regulation No. 10. The sensor can be fitted with remote display equipment set TAV5960, which has been approved for the coupling head, EMC tested and meets the requirements of the E Regulation No. 55.

The vehicle's own remote display device (indicator light system) cannot be used instead of the coupling equipment's own remote display device, if the vehicle's own indicator light system has not been type-approved for the coupling equipment in question.

### WHEN CONNECTING TO SOME OTHER SYSTEM THE FOLLOWING NEEDS TO BE TAKEN INTO CONSIDERATION:

- Nominal value 12...24 V of the sensor supply voltage, power consumption without loading the signal conductors  $\leq 10$  mA
- The sensor cable must be protected against short-circuit  $\leq 4$  A fuse or some other applicable method. The sensor in itself includes overload and short-circuit protection.
- The load capacity of the sensor cable return signals is  $\leq 200$  mA.
- If the coupling head is fitted with a remote display device, the remote display device or the vehicle system must meet the requirements set for the remote display device by the E Regulation No. 55. The remote display system must be type-approved for the coupling equipment in question.

### SENSOR INSTALLATION TO THE COUPLING HEAD

The sensor is delivered with the coupling head as a factory installation in the case of coupling heads equipped with a remote display.

1. Depressurise the system and trigger the coupling head to the driving position by hitting the handle swiftly, if it is in the top position.
2. Carefully screw the sensor mechanism all the way down. Unscrew the sensor by approx. 1.5 turns and lock the sensor with the locking nuts (see the attached figure).
3. Connect the sensor's connection cable to the sensor.



### SENSOR CONNECTION

The sensor cable's conductor colours/sensor connector:

1. Brown – sensor supply voltage (+12...24 V)
2. White – control coming from sensor (active when the coupling head is locked)
3. Blue – sensor GND (–)
4. Black – control coming from sensor (active when the coupling head is open)  
(Only in the Telemecanique sensor, not connected in others)

**Check the operation of the sensor.** The sensor is installed correctly when the red light is lit in the indicator lamp when the mechanism handle is raised and the coupling pin moves slightly upwards. When the coupling is attached the green light is lit in the indicator light.