User Manual with Instructions for Fosen Elektro Radio Remote Control

The remote control is designed for operating hoists. It must be supplied with 24V. Therefore, the hoist must have a 230/24V transformer and contactors with a 24V coil voltage. Some hoist brands have this as standard, while for others we provide the transformer and contactors.

Overview of relevant hoists in agriculture

1. Stahl R12 – Direct control, we supply a contactor cabinet for installation.
2. Stahl TG – Direct control, with the option to install a contactor unit with transformer.
3. KITO – Direct control, we supply a contactor cabinet for installation.
4. GIS – Has 24V control. Newer models have 48V.
   TKS – Has 24V control. Older TKS hoists with a 6-pole contact have 12V or no voltage to the remote control. These must therefore be rewired; see instructions:

   FOR ORIENTATION

   The remote control must be supplied with 24 V operating voltage.

   TKS hoists with a 6-pole connector have not been provided with operating voltage or some have 12 V operating voltage on this connector.

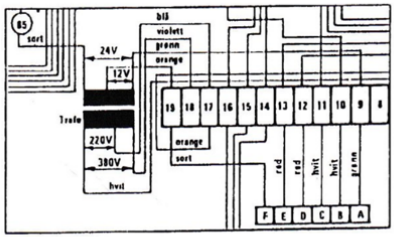
   Contact F on the hoist (see diagram) must be connected to the 24 V output of the transformer (terminal 95* on the overcurrent protector) if it is not connected to 12 V.

   For TKS hoists with a 10-pole connector manufactured before 1983 (serial no. less than 10600), it is not brought to the connector.

   Contact J on the hoist (see diagram) must be connected to the 24 V output of the transformer (terminal 8 on the terminal strip).

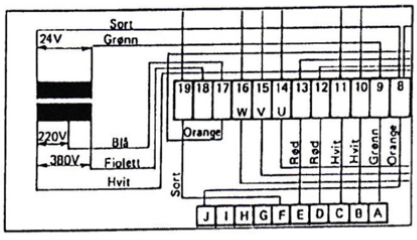
   Connection:

   Excerpt from wiring diagram with 6-pin plug.

   6-pin plug provides 12 V~ to the receiver, on pins A and F. Check that pin F has a connection to the orange wire from the transformer. When low voltage is used, connect F to the black wire from the transformer (24 V).

   Excerpt from wiring diagram with 10-pin plug.

   10-pin plug provides 24 V~ to the receiver, on pins A and J. Check that pin J has a connection to the black wire from the transformer. After 1983, pin J has always been connected to the transformer.

   *Some models are marked 85

   Mounting

   The receiver is mounted to the hoist motor using the supplied mounting straps, and the receiver wiring is finally secured with the cable ties.

   This rewiring is absolutely necessary.

TECHNICAL DATA TRANSMITTER

- Waterproof enclosure
- Batteries: 2 AA alkaline (1.5V per cell)
- Range approx. 50 m
- Transmitter / receiver are continuously coded during production with individual codes in the 2.4 GHz band
- A transmitter can neither control nor interfere with the remote control of the same type
- Customer-specified front panel upon order
- Dimensions: L x W x D 120 x 65 x 22 mm
- Weight: 125 grams including battery and clip

TRANSMITTER PROGRAMMING

Receivers have consecutive serial numbers. We adapt the transmitter by programming it with the receiver's serial number. If the customer needs a new transmitter, it can easily be programmed by the customer. Instructions for programming are included with the purchase of a new transmitter.

USE OF TRANSMITTER

- Red switch marked ON-OFF disconnects or connects the battery
- Yellow switch marked RESET enables the use of the green switches
- If none of the green switches are operated within approx. 7 minutes, RESET must be pressed
- After a green switch is operated, it takes approx. 7 minutes before the transmitter locks again, and RESET must be pressed again. This is to prevent unwanted operation of the transmitt
- Yellow light indicates that the transmitter can be operated
- Green light indicates transmission
- Green light flashing or going out indicates that the batteries must be replaced.
- NOTE! If the battery voltage is measured without load, it may look OK. It drops when the transmitter is operated.

RECEIVER

- Red light indicates that the receiver is supplied with operating voltage
- Attaches to the hoist using the supplied mounting straps
- Must be supplied with 24V; see separate attachment for TKS hoists

FOSEN ELEKTRO Siv.ing. Arne Hårberg

Hasselvika 26.09.2025