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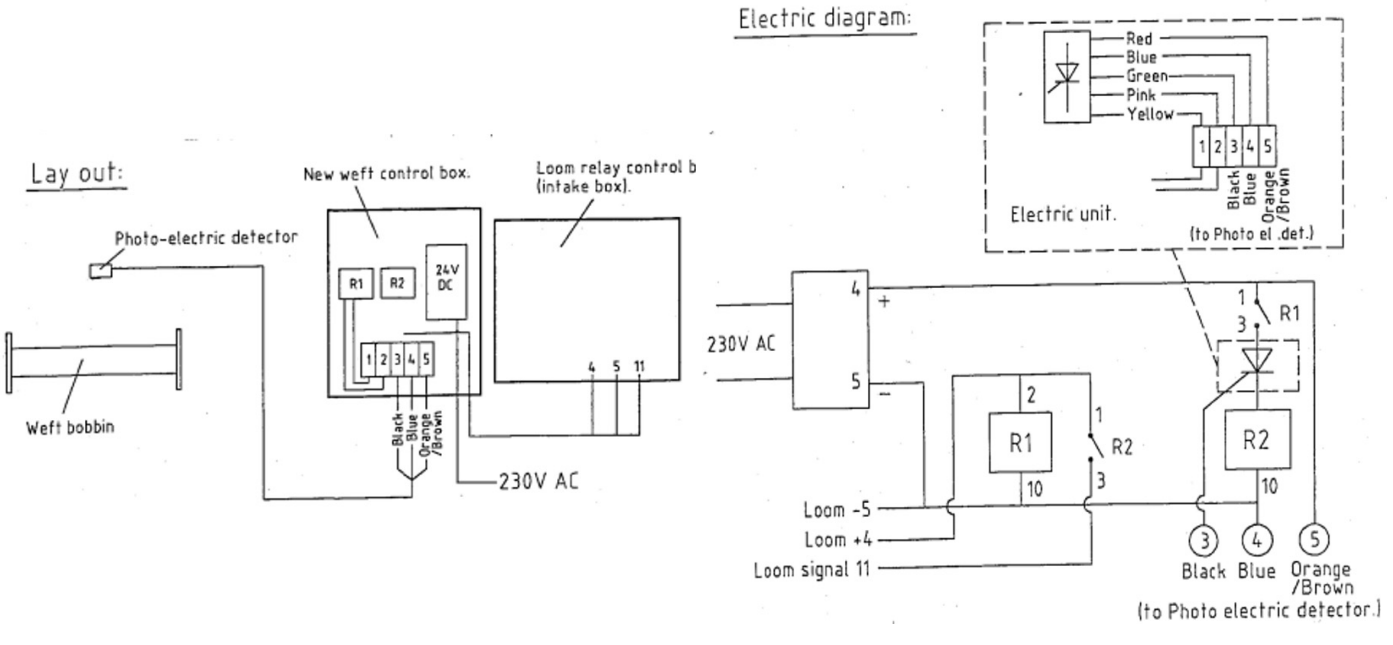
4. UPGRADE KIT FOR CHANGING THE OLD LOEPFE FEELERHEAD TO A NEW PHOTOELECTRIC DETECTOR

COMPLETE LOEPFE CONTROL BOX LF4 IS FROM 01.06.00 NO LONGER AVAILABLE

1. Disconnect cable terminal 4 and 11 on the loom relay control box (intake box).
   (The cables coming from the Loepfe control box.)
2. Remove the Loepfe control box and the feelerhead LF4.
3. Drill holes needed to mount the new weft control box where the Loepfe was mounted.
4. Assemble new photo-electric detector and new bracket, and connect cable in the new weft control box.
5. NOTE! Check that terminal 1 in the loom relay control box is “+”, and that terminal 5 in the loom relay control control box is “-”. If it is opposite (Terminal 1 is “-” and terminal 5 is “+”), then Fener Mandals AS need more information about your loom to explain what to do, please sontact us.
6. Connect cable from the new weft control box on terminals in the loom relay control box (intake box):
   - ***a. On terminal 4: “+”***
   - ***b. On terminal 5: “-”***
   - ***c. On terminal 11: “signal”***
7. Connect the new weft control box to 230VAC
8. Adjust the photo-electric detector as described below in “Setting up the photo-electric detector”.

REBUILDING OF THE WEFT-CONTROL



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SETTING UP THE PHOTE-ELECTRIC DETECTOR, TELEMECANIQUE XUM-H03353

1. Install an empty Weft-Bobbin in the Shuttle. Move the Shuttle until the reflector on the bobbin is in position under and passed the photo-electric detector by 80-100mm. Fig. A shows how to position the photo-electric detector with an angle to the Ø10 reflector on the weft bobbin.

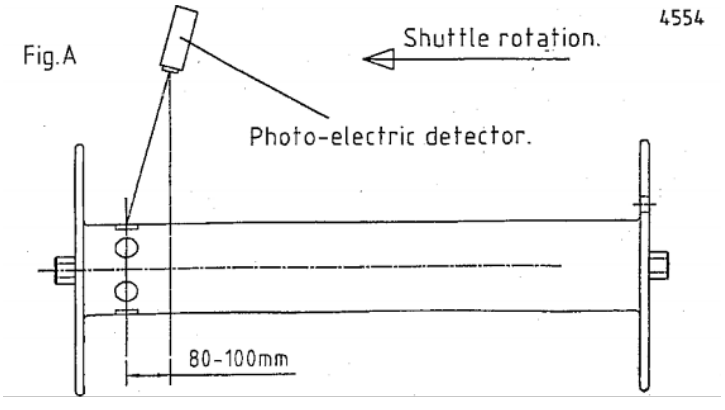
2. Adjust the Sens-Control on the photo-electric detector up to max, with a small screwdriver. if the photo-electric detector detects on other surfaces than the reflector, i.e. metal or yarn when starting up the loom, then the Sens-Control must be adjusted, alternatively the photo-electric detector can be given another angle to the reflective surface.

3. To obtain maximum safety margin the photo-electric detector must be positioned to pass over the center of the bobbin/reflector. When a photo-electric detector is moved over a reflector, the red and yellow LED react as follows:

a. ***Red LED ON, Yellow LED OFF, (when entering the reflector border)***
b. ***Red LED ON, Yellow LED ON, (when going into center area of reflector)***
c. ***Red LED OFF, Yellow LED ON, (when being in center of reflector)***
d. ***Red LED ON, Yellow LED ON, (When going out of center are of reflector)***
e. ***Red LED ON, Yellow LED OFF, (when leaving the reflector border)***

To position the photo electric detector over the bobbin/reflector, release the two screws on the top plate of the loom to allow the bracket, where the photo-electric detector is mounted, to be adjusted in/out and rotated. Move the bracket and the photo-electric detector over the reflector and use the two LED indicators to find the center of the reflector. When the center is found, fix the two screws in the top plate

The lenses and the reflector must be kept clean. When cleaning the lenses DO NOT USE alkaline or aromatic products, hydrocarbons, or solvents.



PARTS REQUIRED AND COST (2020)

Our Item No.	Our description	Quantity	Unit	Unit Price	Amount
7801.000	Rebuilding Kit Photo-elect.	1	PCS		

Total NOK _____

DATO: 00/00/000