

GALLAGHER ENERGISER TROUBLESHOOTING SHEET

Check your energiser

- 1. Turn your energiser off
- 2. Disconnect the fence from the red button
- 3. Turn the energiser on



- 4. Measure the Voltage on the energiser with a digital volt meter or a Fault finder. Place this on the red button of the energiser. Put the contact pin / contact plate of the Faultfinder/ DVM on the red button (fence) and the little earth pin of the Faultfinder/ DVM on the green button (earthing).
 - » **Is the voltage lower than 6000V?**
 - In this case your energiser is broken. Please contact the Gallagher specialist and see if your energiser can be repaired.
 - » **Is the voltage higher or equal to a voltage of 6000V?**
 - In this case your energiser is ok. Please note the voltage you have measured and go to step 5.
- 5. Turn the energiser off again.

Check the voltage on your fence

- 6. Connect the fence again to the red button.
- 7. Turn the energiser on again.
- 8. Go to the end of your fence and check the Voltage here with a DVM or a Fault Finder.
 - » **Is the difference to the Voltage of the energiser more than 1500V? (E.g. energiser was 6000V and the fence is 4000V? That is more than 1500V)**
 - Go back to your energiser and check your earthing (step 11).
 - » **Is the difference to the Voltage of the energiser less than 1500V? (E.g. energiser was 6000V and the fence is 5500V? That is less than 1500V)**
 - Your energiser and your earthing are both ok. Please go to step 9.



Check your fence

- 9. Make an inventory of your complete fence by passing it and check if your fencing material is still intact.
 - » **Are your conductors tight on all places?**
 - ✓ Yes, continue with the next step.
 - ✓ No: please tighten them
 - ◇ For Cord use a rotating tensioner – Part. No. 010882 or wire tensioners handle Part. No. 029044
 - ◇ Tape you can tighten by hand.



- » **Are the conductors still intact?**
 - ✓ Yes, continue with the next step.
 - ✓ No: please add a conductor
 - ◇ Rope Connector: Part. No. 019342
 - ◇ Tape Joiner 40mm: Part. No. 028962
 - ◇ Tape Joiner 20mm: Part. No. 028979
 - ◇ Vidoflex Connector: Part. No. 060764
 - ◇ High tensile: just put this together with a connection knot



- » **Are the connectors of the conductors still intact?**
 - ✓ Yes, continue with the next step.
 - ✓ No, please repair the connection with a wire clamp
- ◇ Joint clamp: Part. No. 010868
- ◇ Double tape connector: Part. No. 055333
- ◇ Joint clamp bobbin: Part. No. 010851



- » **Are the insulators still intact?**
 - ✓ Yes, continue with the next step.
 - ✓ No: Please replace the damaged insulators.



- » **Are the posts still intact and are they still standing straight?**
 - ✓ Yes: continue with next step
 - ✓ No: Please replace the damaged posts and put them all back in upright position.
- » **Are the gates still intact? (The gate handles undamaged, conductors tightened)?**
 - ✓ Yes: continue with next step
 - ✓ No: Please replace the broken or worn out parts.

You have completed the Gallagher check! If your fence has the correct voltage and you have replaced all the damaged materials, we wish you a great new season!



Check your earthing

- 10. Checking your earthing
 - » **Step one to check your fence's earthing is to make a fault. Place an iron post to your fence at approximately 100m distance from your earthing.**
 - » **Make sure before you proceed you have less than 1000V on your fence. If this isn't the case yet, place another post to your fence (near the other iron post). And check the voltage again. Please continue doing this until you have 1000V or less on your fence.**
 - » **Measure the voltage on the earthing with a digital volt meter or a Fault Finder by placing this on the earth stake.**
 - Do you measure more than 300 Volt?
 - ◇ Please install more earth stakes and check the voltage again. Continue doing this until you have less than 300 Voltage on your earth stake
 - Do you measure less than 300 Volt?
 - ◇ o The earthing on your energiser is fine. Continue with step 11.



- 11. Take the iron posts of your fence and proceed with step 6 and 7.

Did you go through the whole check, but you didn't find the reason for the fault in your fence? Please contact the Gallagher specialist. They can surely help you solve your problem!