

Operating instruction for electric fence energizer

INTELLISHOCK™ 506 in connection with SECURA safety hints

Installation and connection: The installation can be made inside or outside a building but not where there is a risk of fire. In case of outside installation the controller must be mounted in the vertical position. Fence and earth leads must be attached to the marked fence and earth terminals. For further options concerning wall mounting see fig.2.

Operation and control: Plug the mains cable in a 110 V supply socket. After a few seconds a slight tic-tac can be heard. The fence control lamps flashes with the pulses. There will be no flashing if the fence voltage drops below a minimum voltage of 2000V; possible reason:

- 1) fence disconnected and still no flashing; controller faulty, check the fuse under the window.
- 2) fence attached; extreme heavy vegetation on the fence or a short between the wire and the ground, e.g. at metal posts or fence too long.

The terminal **OUTPUT LEVEL 5** is so powerful that the respective control lamp may still flash when the fence is hadly weeded or is touching the ground. That means the condition of the fence can only be checked to a limited extend.

The terminal **OUTPUT LEVEL 1** supplies a reduced pulse energy, this lamp is not illuminated in case of weedload. The control lamp is very sensitive thus giving a precise information.

control lamp illuminated = fence insulation good

control lamp not illuminated = fence insulation bad

Fence interruption:

If the beginning of the fence is connected to terminal **START** (OUTPUT LEVEL 5) and the end connected to terminal **END** this control lamp flashes with the pulses in case of no fence interruption. There is no flashing if the fence line is interrupted.

If the beginning of the fence is connected to terminal **START** (OUTPUT LEVEL 1) its control lamp is not illuminated with weedload on the fence and the control lamp (**END**) remains dark with fence interruption - thus a comprehensive fence check at the energizer is possible.

Abnormal operation: The fence controller has a device to prevent inadmissible high output energy in case of multipulsing. If the pulse sequence exceeds a certain value the output is reduced automatically to 50% and a red lamp (**safety circuit**) is illuminated.

The abnormal operation may be caused by mains voltage surges, lightnings etc. In case of abnormal operation switch off the controller for at least 30 seconds. After the reconnection the red lamp must be extinguished. If not a fault in the energizer is the reason and the repair service must be involved.

Earthing: An effective earthing is a precondition for a well operating fence installation, in order to achieve this follow segura page 4 and 5.

Requirements: The energizer conforms to the standards indicated on the case (all European standards), which are more strict than USA UL standards.

Service: Plug in moduls can be replaced easily by your dealer, where in the event of failure the fault is likely to be on the printed board . First of all check the fuse.

Fig.1

