



## Zareba digital electric fence tester manual

1 User's Guide for AC Part I Fencing Controllers: Installing the Fence Controllers: Installing the fence regulator p. 10 Model 8200 Installation / operation p. 11 Piece II: Electrical fence regulator p. 12 Basic notions for electric fencing p. 14 grounding system p. 15 fence places p. 17 insulators p. 19 fence wire p. 20 Gate openings p. 22 Lightning / overvoltage protection p. 23 Electric fence design p. 25 test / troubleshooting p. 30 Guarantee of the Controre P. 33 Save these instructions 2 Before starting all ZAREBA brand type electrical fence controllers that meet the laboratories standards (UL) of safety subscribers. Attention: read all these instructions. Use only products for controllers for electrical fences for the purpose understood as defined in this manual. Warning: Never run more than a fence controllers for animals and people. It could also damage your fence controllers. WARNING: Install the fencing lines powered by separate fence controller quite distant to avoid contact with both fence lines at the same time. By simultaneously touching two fences powered by separate fence controllers. finger on extremely dry days. For backup, make sure others know how to disconnect the fence controller. Also, never disconnect the wires or approach a fence during lightning storms. WARNING: Do not use fence controllers near any combustible materials including gasoline, kerosene and cleaning liquids. Warning: never disconnect the wires or approach a fence during lightning storms. similar types of fencing in which an animal or a human being can become tangled in the fence. WARNING: To reduce the risk of electric shock, do not remove the fence or captured against the fence controller cover. Refer to staff staff 3 WARNING: To reduce the risk of electric shock, do not remove the fence or captured against the fence controller cover. Refer to staff staff 3 WARNING: To reduce the risk of electric shock, do not remove the fence or captured against the fence or captured against the fence. digging to identify any buried cables or natural gas lines. In a double insulation controller, two insulation controller, a means should be added to the grounding of the appliance to the controller. The maintenance of a double insulation controller requires extreme care and knowledge of the system and should only be performed by qualified service personnel. Replacement parts for a double insulation controller must be identical to the parts they replace. Cutter / Stripper Wire Tools (Part No. FWC-1) FLATHEAD AND PHILLIPS Screwdrivers Reverse Adjustable Voltage Tester (Part No. DEFT-1 or RSVT8) Other components Required Two lengths of 20 kV Isolated connections (one long enough to connect the fence line fence) Connector of the fence line (part n. for steel or poly wires; PRS2 for the Poly rope; o PTCCC1 for 6 to 8 feet cane (s) (part n. gr8 o) Terminals grounding rod for grounding rod (part n. CGR1 O) - 3 - 4 fence regulator Overview of the installation of the regulator of fence installed the fence controller IMPORTANT: mounting inside or in a waterproof casing for plastic / tube PVC fence to the ground installation installation for external sheltered external mounting screw single screw double screw mounting - 5 - 6 Step 2: connect your fence the will have controller E of three types of terminals strip wire and connection as shown below oo connect the connecting cable to the onshore terminal Connect to the grounding system of the fence connection from Reading Controller linker Linked to Other auctions grounding grounding rod (part no. oR or GR8) Note: connect additional commissioning auctions on the ground with a ramp lead Icante and terminals auction auction Reliability of the grounding. Tip: The enclosure controller must be grounded sufficiently for the system to work effectively. Improper grounding can also cause interference on telephone lines, radio and television and could invalidate the warranty 8 Step 4: Connect to the aluminum / steel / poly wire connection line Galvanized line clamp (part no.) Poly poly band connector (part n. PTCCP1) PTCCP1) Poly poly poly poly poly connection Splicer (Part No. PRS2) Check the fence system reliability Improper connection points will affect the performance of the enclosure controller! Make sure of junctions and insulators are solid and safe 9 Step 5: Power fence controller will be emitted at this point to avoid shock do not touch the fence terminal or fence wire. controllers; Do not change the plug supplied with the controller if it does not fit to the socket. Contact a qualified electrician for proper output installation. To reduce the risk of electric shock, these fence controllers have a polarized plug (a blade is larger than the other). This plug adapts to a polarized socket only in a way. If the plug does not fit completely into the socket, invert the plug. If you still don't fit, contact a qualified electrician to install the correct socket. Do not change the plug in any way 10 Refener Controller Fence OK flashes when the voltage of the line of Fence is the low ground terminal Connect to the fence line 11 Model 8200 Installation / Operation The 8200 (COW TRAINER) is used in stanthy-style milk barns to form cows to default in gutter. This fence controller feeds the t-bar hanging on the red of the cow, preventing them from curving. Follow the installation steps 1 5 as shown in the previous pages. High / low switch Use the high setting for greater voltage when training cows use low adjustment for cows that are trained off off 8200-a Cow Trainer Electric Fence Controller 12 Electric Recint Components 1 Fence Controller (page 4) 6 Openings (page 22) 2 Earth system (pages 7 and 15) 3 Fence post (Page 17) 7 Lightning / overvoltage protection (page 23) 13 5 Fence wire (Page 20) 4 insulators (page 19) 14 Basic notions for electric fencing The electric fencing is easy to start the system to contain animals or keep them out. A short and safe electricity impulse creates a psychological barrier that trains animals to avoid fence. For the animal to feel a shock, the voltage produced by the fence controller must penetrate the hair of the animal, the skin and the socket. How the power fencing works The system works when an animal provides an electrical path by touching the fence thread and the socket. auctions from the ground, which are connected to the fence controller. At that point the circuit is complete and the animal instantly receives an electric shock. Tip: For permanent and high resistance high-strength instructions, refer to ZAREBRA S High Tensile Electric Fence Guide available on ZareBasystems.com 15 2 System Overview grounding of the grounding system An effective grounding system consists of: (3) from 6 to 8 grounding bars (part NO or GR8) (3) Auction rod clamps (Part No CGR1) Connection with isolated connection 20 kV (part n. UGC50, UGC250, o) Controller for fence for fe First Ground The rod must be guided within 20 From the fence controller. 6 '10' 10 'Rusti in copper or galvanized with metal-based 6-storey metal, spaced. See page 7 for details on the grounding system connection. Tip: Watering or spray of the terrain around the ground bars in dry weather conditions will improve the performance of the ground system 16 ground on dry ground or frozen ground Warm wire fence Terra return thread Hot wire Animal fence Comes into contact with both hot thread and the earth is not enough because the electricity cannot reveal the fence controller. To compensate, create a land wire return system with a fence wire bringing back electricity to the fence controller mass terminal. Run the mass return system with a fence wire bringing back electricity to the fence controller mass terminal. warm and earth threads simultaneously, they will feel a shock. Tip: Because the animal must contact the hot thread and mass return simultaneously, we recommend these two wires to be spaced within two or three inches from each other. ATTENTION: Do not install sinks within 50 feet of a ground utility auction, buried telephone line of metal floating, as they can collect parasitic voltage. Earth earth installation around buried metal fence utility land controller water tank 50 'auction earth water pipeline (or other buried metal) 17 3 fence fence messages are divided into two categories: corner / columns of the gate, which must bear the voltage; and line uprights which simply support the fence line between the angle / gate posts. The postal material varies and should be selected from the type of fence. The electrical fence usually will usually use less than compared to conventional spiny or intertwined fences, making it less expensive and easier to install. Most messages are the feet spaced depending on the ground and controlled animals. Message Spacing on the hilly terrain Messages must be perpendicular to the slope of the soil Don T Search for space messages uniformly. In land level, places can be more spaced; For uneven terrain, a post must be positioned at high and bass; And in the hills, places should be installed perpendicular to the slope. This keeps the thread at the right height and prevents him from binding on isolators or clips 18 message Selection Guide Post type: Wood post plastic step-in steel post t-post, u-post, y-post fiberglass t-post / Rod Message Used for: Message Angle XX (limited) Messages XXXXX Messages Using with Type Fence: Portable XXX Permanent Semi XX XXXXX Permanent Horse High Resistance XX 19 4 Insulators isolate the fence electric wire (s) to avoid short circuits and the electric current leakage, while maintaining the wires suitably spaced. Select your insulators intended for each type of metal wood, T-messages, auction, angle, or a chain link. These isolators are available with various front ends to accommodate the selection of steel or poly poly rope. Tip: To avoid rising energy, check routines to guarantee isolators are clear cobwebs and that the elettrified cables do not touch messages. Installation of corner / end message / gate insulators Insulating corner End / Insulating door Stapling electric wire fence Nonelectrified 20 5 Electric ty from the fence Controller around the perimeter of the Fence. Galvanized steel and aluminum wire carry electricity best. Poly thread, ribbon and rope have conductive wire wires o Fabric fabrics and are ideal for electrical fences due to its ease of use, light and visibility. Tip: For horse enthusiasts, we recommend using the white pole ribbon 1Å, 1/2 1/2 inch or white rope poly Å 1/4 inches. They are highly visible, easy to install and calmer than steel wire for horses. The height and spacing of the wires will vary with the animal being contained (or held out). always a wire at the shoulder height of the elettrified animal; The animal will hit the fence with his nose, which makes the backup. Proper spacing of the wires for the IL Checked is more important than the general height of the fence. The correct wire height and spacing when installing the fence wire, pull the metal wire to maintain the same height and spacing between the uprights. Tip: To prevent the driving of energy, keep the electric fence of the vegetation or objects that touch the fence line 21 to maximize power on the fence, good electrical connections and the joints are fundamental. Splicing techniques Metal cable Step 1 Step 2 Never use the roller shutter or roller blind in poly Fille in Poly any simple node as a square node. Strip back and cut the poles wires leaving two inches of exposed conductive cables. Twist or pressed threads together. Poly tape (using part n. SBS4 or SBL4) Step 1 Step 2 Step 3 Create One-Foot ring. Insert the poly tape through the center of the buckle and slide the end closed over the vertical flange. PULL Poly Tight Tape and Over Flange 22 6 Openings A variety of ways can be installed. Typically the same fence wire is used through the opening. If the poly tape through the openings A variety of ways can be installed. a metal gate or a spring gate is used, the wire with a 20 kV isolated connection must be used to transport the electric current under the gate opening. Note: Refer to page 8 for information on how to make fence connections. Installing the standard gate 20kv isolated Links isolated Links isolated Links isolated Links isolated Links isolated connections. Installation + Hot + Z3 7 Lightning is one of the main causes of the failure of the main causes of the failure of the main causes of the failure of th quickly disconnect the fence controller. If you are in an area with frequent electrical storms, make sure you maintain a backup fence controller or approach an electrical fence during a lightning storm. WARNING: Risk of electric shock! Do not connect an electrical enclosure to any other device as a cattle or poultry coach, since the lightning affecting a fence will be conducted to other devices. ZAREBA offers different products designed to minimize damage from Lightning lightning that install between the enclosure line and the fence controller. Arrestor / Lightning lighting (Part n. La1 /) helps protect the fence controllers classified to 1 Joule of Energy Output or higher than lightning. Spring gate kit (Part No. SG1) The spring coil helps dissipate lightning curtures. The AC overvoltage suppressor (part no.) Protects the powered AC fence controllers from overvoltages up to 6,000 volts. Tip: While lightning protection from the design of lightning design 25 electric your fence now that you understand how every component functions in your fence, sketches thee Your fence layout to get a count of materials you will need, including the number of posts, threads, insulators, gate openings, etc. Tip: an electric enclosure line must not be in a continuous cycle; It also works effectively when he died. Fence Controller Corner Posts Barn Pond Gate Line Posts 26 Estimate your supplies for electric fence Use the chart below to get an approximate idea of what you need for cases of different sizes. Tip: Visit ZareBasystems.com to use our TM online enclosure builder. It will recommend the correct quantities for your electric fence. 5 Acres 10 Total Acres = 1, Total = 2, For a single wire fence with a single opening gate: Post (15 feet spacing) Riga insulators (25 / bag) Angular insulators (10 / bag) Poly thread, ribbon or rope (1,320ft spool) 6 bags 8 bags 1 bag 1 bag 2 coils 3 coils 3 spools gastronomy kit kit 1 k coil) 16 bags 22 bags 2 bag 2 bag 5 coils 7 coils door handle 1 Kit 27 Fence Configurations per species Tip: Electric enclosure systems can be built in any configuration as needed by the end user. The following pages show recommended voltage levels and thread spacings securely contain different species. Voltage for cows: 2,000 3,000 V for bulls: 3,000 4,000 v bovine docile requires fewer wires; Tori determined require 4 wiremar voltage 3 wire 40 "5-wire 52" 6 wires 42 "1-wire 8" 32 "42 20" 12 "border fences very feed discourage predators / temporary fences voltage: 2,000 3,000 v high visibility for Security; white use 1Â,½ 3-wire poly tape 40 "4 wires 4 5 wires 52" 1-thread 20 "1 12" 3 48 castroni and mares horses and foals Stallions Portable / temporary fences 28 Voltage: 4,000 5,000 V High thickness / Pets require more voltage; 4 wires 70 "1-thread 18" 24 less space between threads predators for the predators of the preda fences voltage: 4,000 5,000 V Determined animals looking for food need 4 wires Upper voltage 6 wires 70 "Voltage: 1,000 2,000 V wires must be low to soil 4 wires 70 "Voltage: 1,000 2,000 V Less animals looking for food need 4 wires to discourage 3-wire rooting 24" 8 "Less space between threads Deters Taller fence predators To discourage 6 wires 42 "8" 7 wires 70 "Voltage: 1,000 2,000 V Less animals looking for food need 4 wires to discourage 6 wires 42 "8" 7 wires 70 "Voltage: 1,000 2,000 V Less animals looking for food need 4 wires to discourage 6 wires 42 "8" 7 wires 70 "Voltage: 1,000 2,000 V Less animals looking for food need 4 wires 10 wires 10 wires 70 wi require narrow thread spacing and 4 wire W Ire near ground 5 wires 1 4 "3" 3 "Voltage: 700 1000 V to contain / discourage or prevent jumping or 4 wires depends on the size of animal height / number of wires depends on the size of a 5,000 V easily trainable, but thick layers requires 4 wires more voltage 4 wires 4 6 wires 4 2 "Voltage: 4,000 5,000 v greater required voltage; Requirements Fence to discourage 4 threads Jump / reaching 15 wires 72 "8" Spacing 1 8 "4" Fence spacing Dispare predators Perimetry fences 30 1 test / diagnostic test voltage fence line regularly at the farest point on the fence from the fence controller to ascertain The tension is sufficient power supply (AC battery / power supply) If the OK power, fence Disconnect and cables ground from the fence regulator, then check the metal part output voltage Touching terminals with testers. Replace / battery repair or AC power to the fence controller 3 If the output is less than 5,000 volts \* there is an error of the fence controller. Call Zareba for assistance. \* (2,000 volts \* there is an error of the fence controller 3 If the output is less than 5,000 volts \* there is an error of the fence controller 3 If the output is less than 5,000 volts \* there is an error of the fence controller 3 If the output is less than 5,000 volts \* there is an error of the fence controller. systems reconnection is read less than 400 volts, add plus earth bars or do more deeply. Try again / add more earth bars or do more deeply. Try again / add more earth bars or do more deeply. controller to the fence line. Disconnection hook-up cables from the fence line and test. 5 Under 4.500 Volt \* Hook-up wire loses to mass. Be sure to use Hook-up poor bridges between lines Line / conductor fence junctions plus 4,500 volt \* Switch off fence regulator and reconnect the line wall coupling wire. \* (1,500 volts for 10ACRE models, 20 ACRE, ACC2, 33C, RS3 or SP3) short line fence or loss to mass control Loading line hook hook-up cables under very heavy vegetation gateway against the metallic object fence line With Bad Fence Line or incorrect insulating fence line by touching a defective connections in gate openings if it is not possible to solve the problem please call Zareba systems at the 31 regular tests and maintenance of the electrical electrical fence It is important to guarantee a service. We recommend Tension Tester ZAREBRA DEFT-1 or RSVT8 for this purpose. Tip: Test voltage Touching the fence line with the hand or a weeding plant is not recommended. Also, if you run this wearing shoes with rubber sole you don't hear a shock. Step 1: Try Fence Controller Source Remove fence Power supply of the controller (disconnect from the battery) and fence and land disconnection wires. Fence power controller and metal pins Touch of land and fence Terminals with soil and fence of tester rebbi. Electric fence regulator output if it is less than 5,000 volts \*, there is a fence control problem please call Zareba customer service at (2,000 volts for 10acre models, 20acre, ACC2, 33C, RS3, SP3 or LIS3) 32 Step 3: Testing system System 100 yards The fence controller (fixed terminal) Short fence using a metal bar or push probe wire in the soil for fence controller (mass terminal) Tight ground picket with tester. If reading is less than 400 volts. Step 4: Try Hook-up Wire Source Remove fence Power supply of the control unit (disconnect from the battery) and disconnect tremplate Touch for Wire Hook Up. Fence Terminal Step 5: Check Fence Walk Components is your fence line and inspect all the components. Insulators must be clean and free of cracks. Wire fence must be adequately seen, enclosed do not touch the fence line. Step 6: If you are still receiving inadequate voltage readings, visit ZareBasystems.com for more suggestions or call the ZAREBA Customer Service 33 FENCE Systems Warranty Zareba Systems guarantees your satisfaction. You can return the product with its receipt to the place of purchase within 30 days for a complete refund. LIMITED WARRANTY This fence controller is guaranteed for one year from the sale date, it is free from defects in material and processing and damages caused by lightning. Fencers equipped with the module protection against storm lightning for one year from the sale date, it is free from defects in material and processing and damages caused by lightning. necessary for the guarantee consideration, and can be returned to the ZAREBA systems or any of the Authorized ZAREBA repair centers for warranty repair. If no fiscal receipt has been returned, the production date will be used to determine the warranty period. NÃ è The complete or limited warranty applies to any defect of the product caused by improper installation, abuse, tampering, negligence, humidity or any other reason not related to defects of material or processing of the product. Complete and limited guarantees are not transferable or transferable. It is for the benefit of and given only for the first buyer of the product, and will not benefit from or transferred to subsequent owners or any other user or for any person. The obligation of Zareba systems from the limited warranty only to repair or replacement, at its discretion, any part of this warranty. If a covered defect occurs during the Return the product to replacement or repair, Porto di Porto, to any Authorized Security Center or directly to Zareba Systems, 69 N. Locust Street, Lititz, PA There will be no further cost to you if it is the result of defects, failures or Product malfunctions. (Note: The following fence controller models can only be returned to the factory for the Warranty Consideration: 601, 8574, A5, WD56, 30, 10 Acre, 20 Acre, 415, 410, 4444, 4612, 4465, 446 4309, 8565, 8555, 77, 98, S12, S100, 980, 57, S12, TCC2, ACC2 and 33b. Each model of the enclosure controller not listed can be sent to any authorized Center or factory repair). At the end of the full 30-day warranty, Zarä TM BA systems does not offer other express or implied guarantees of suitability or marketability or any other warranty, expressed or implied; Any guarantee of marketability € or fitness for a particular purpose, which exceeds the guarantee, is so recognized by ZAREBA Systems. There are guarantee, so the above limitation may not be applicable to you. In no case Zareba systems will be responsible for accidental, consequential, special or indirect damages of any nature. Any action for warranty infringement should be started within one year after the action cause must happen, and this action must be maintained that it has not begun within such a period. Some states, however, do not allow the exclusion or limitation of incidental or consequential damages, the limitation or exclusion of which may not be applicable to you. This limited warranty gives the user specific legal rights, and you can also have other rights of the complete or limited warranty, you can call Zareba A, or write to Zareba Systems, 69 N. Locust Street, Lititz, PA 34 Limitation of damages The indications for the use of this Product. The effectiveness of Zareba Systems Brands of fence controllers can depend on the effectiveness of the connections, power interruption, accidental earthing of wires, atmospheric conditions, or the mode of use or application, which are all beyond the control of Zareba Systems or The seller. All these risks are taken by the buyer. instructions for use, subject to the concerning risks mentioned above. ZAREBA systems or seller will be responsible for consequent, special or indirect damages deriving from the use or treatment of this product. ZAREBA systems and the seller offer This product and the buyer and the user accepts, under the above conditions that can only be changed by written agreement signed by a Zareba Systems officer. Some states, however, do not allow the exclusion or limitation of incidental or consequential damages, the limitation or exclusion of which may not be applicable to you. This limited warranty gives the user specific legal rights, and you can also have other rights ranging from State to State 35 36 Woodstream Corp. 69 N. Locust Street Lititz, PA Contact Us; ZareBasystems, com Part # Rev10 Rev10

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