Zareba Systems

**KEEPING IT ALL UNDER CONTROL**

Zareba makes complete electric fence systems to control a wide variety of animals. This fence planning guide can help you determine which fence system is best for you and will help you select the components to complete your fence. Keep in mind that choosing and installing quality components will pay dividends later with fewer maintenance problems and a greater fence life-expectancy.

**ZAREBA SYSTEMS MAKE SENSE**

An electric fence system from Zareba can be matched to any animal control situation, offering both budget and design flexibility.

- **Safety**
  Electric fencing provides a safe alternative to barbed and woven wire fences. A short, safe pulse of electricity creates a psychological barrier that trains animals to avoid the fence.

- **Flexibility**
  The various systems from Zareba give you flexibility to design the enclosure you need, whether a permanent, semi-permanent or portable application. It is also easy to convert an existing non-electric fence to electric.

- **Ease of installation**
  Electric fence systems install quickly with minimal tools, saving on labor whether you hire out the job or do it yourself.

- **Lower Cost**
  The savings can be significant when compared to other fencing options like barbed wire, woven wire, wood rail or vinyl fencing.

- **Long Life**
  A Zareba high tensile system is the best choice for longevity, delivering effective animal control for 25 years and longer.

Zareba Offers What No One Else Can

- Fully integrated product line — compatible components designed and manufactured by the same U.S. company
- New, more versatile fence controllers with options for AC, battery, and solar operated units covering distances of less than a mile to over 200 miles
- Exacting manufacturing standards backed by extensive product testing
- The industry’s leading warranty
- Over 60 years of experience in electric fence design and engineering

Look for these fine brands of fence controllers from Zareba Systems in your local farm supply or home improvement store.

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- **Zareba**
- **International**
- **Red Snap’r**
- **Hol’DEM**
- **Blitzr**
- **BullDogg**

Made in U.S.A.
What type of fence do I need?

BEFORE YOU START

Check Local Codes
Before you start your fence installation, check local zoning laws for guidelines within your area. Also check with local utilities before digging to identify any buried cables or natural gas lines.

Designing Your Fence
The optimal fence system will be unique to your own special needs. This planning guide takes you through a step-by-step process* for selecting the components you’ll need for your fence, including the electric fence controller, conductive wire, post type, and insulators.

Our components work together in various combinations to create four basic fence types suited to any animal control need.

BASIC FENCE TYPES**

<table>
<thead>
<tr>
<th>Expected fence life</th>
<th>Portable/Temporary</th>
<th>Semi-Permanent/Permanent</th>
<th>Permanent High Tensile</th>
<th>Horse-Sense Electric Fence System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short term, frequent moves</td>
<td>1-20 years</td>
<td>20-40 years</td>
<td>5-15 years</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ease of installation</th>
<th>Simple, fast</th>
<th>Easy to moderate</th>
<th>Moderate, special tools required</th>
<th>Moderate</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Animals controlled</th>
<th>Cows, horses, pets, lawn and garden pests</th>
<th>Cows, horses, hogs, sheep, goats, exotics, deer, predators</th>
<th>Cows, hogs, sheep, goats, exotics, deer, predators</th>
<th>Horses</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Best suited for</th>
<th>Temporary fencing, managed intensive grazing</th>
<th>Pastures, cross fences</th>
<th>Permanent perimeter installations</th>
<th>High visibility, horse pasture</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Post type</th>
<th>Step-in posts, steel and rod posts, fiberglass posts</th>
<th>T-posts, rod posts, U-posts</th>
<th>Wood posts, T-posts, U-posts</th>
<th>T-posts, U-posts wood posts</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Wire type</th>
<th>Poly wire, poly tape, poly rope</th>
<th>Poly wire, poly tape, poly rope, steel wire</th>
<th>12⁄8 gauge high tensile wire</th>
<th>Poly tape, poly wire, poly rope</th>
</tr>
</thead>
</table>

| Distance                  | Short                           | Unlimited                                   | Unlimited                     |
|----------------------------|---------------------------------|---------------------------------------------|-------------------------------|-------------------------------|

<table>
<thead>
<tr>
<th>Features</th>
<th>Lightweight, reusable, easy to move</th>
<th>Workable with any configuration of posts and conductive wire</th>
<th>Longest life fence system available, minimal maintenance</th>
<th>Use with vinyl post sleeves for attractive, white-rail look, affordable</th>
</tr>
</thead>
</table>

* If you need additional assistance – please see our interactive fence planning guide on our website, www.zarebasystems.com

** NOTE: Portable, temporary and semi-permanent fencing should not be the sole means of animal containment. Use portable and temporary electric fencing within permanent fencing to lower the risk of injury to animals and people should an animal escape the electric fence.

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Creating your fence

Plan Your Layout
It helps to plan your fence layout in advance and choose the various components you'll need to complete the installation. Using pencil and a sheet of graph paper, sketch out the area you wish to enclose, noting distances. Then draw in the approximate locations of buildings or barns that will be adjacent to or enclosed by the fence. Also include in your plan:

- Location of water supplies and feeding stations
- Trees or other obstacles
- Low or wet spots
- Entrance/exit points where gates are needed — denote the length of gates.
- Fence termination points (e.g., at a building)
- Location of fence controller and electrical source (if applicable)
- Cross fences within the pasture area (temporary or permanent)

Choose Your System's Components and Complete the Checklist
When your sketch is complete you're ready to select components for your system. Refer to this guide for more detailed product information and tables that will help you calculate the number of each component you'll need.

### BASIC FENCE SYSTEM CHECKLIST

| (Equine and High Tensile see pages 20 and 22) |
|---|---|
| Perimeter distance to enclose | (feet) |
| Fence Controller (page 4-8) | (model #) |
| Fence controller AC, DC, Solar | |
| Grounding system (page 9) | (most systems require (3) 6' or 8' ground rods, 3 clamps, and 20,000 volt hookup wire) |
| Posts (page 10) | (post type) |
| Type of Line Posts | (loop, step-in, T-post, U-post, wood post, rod post) |
| Post spacing (feet between posts) | |
| Number of line posts (perimeter feet ÷ post spacing) | |
| Number of posts for corners/gates/termination points | |
| Type of Corner Posts (wood post, T-post, U-post) | |
| Fence Wire (page 11-13) | |
| Type of wire (poly wire, poly tape, poly rope, steel wire) | |
| Number of strands | |
| Total feet needed (perimeter ft. ÷ number of strands) | |
| Insulators (page 14-18) | |
| Type of insulator: line posts | (model #) |
| Line insulators needed | (number of strands x number of line posts) |
| Type of insulator: corner posts | (model #) |
| Corner insulators needed | (number of strands x number of corner posts) |
| Gate Handles and Kits (page 19) | |
| Number of gates x number of strands = number of kits needed | |
| Horse-Sense Electric Fence System* | |
| For equine system components, see page 20 | |
| High Tensile Fence System | |
| For high tensile components, see page 22 | |
| Accessories (page 26) | |
| Kits - equine, pet, lawn and garden; Fence voltage testers, fence alarm; Lightning and power surge protection; Repair parts | |

*These distances are based on square-shaped perimeters. Shape of area will vary the perimeter of the fence.
Selecting your components

Fence Controller
Selecting the right fence controller with adequate power for your enclosure is critical to keeping your animals safe. Consider the power source AC (110 volt), DC (battery), or solar operated, type of animal controlled, length of fence line, amount of vegetation growing on the fence line, and the output of the fence controller.

If you are unsure of which fence controller to select we recommend an AC operated model (if you have access to AC power) that is the most powerful unit you can afford. This provides options for future expansion and gives you flexibility.

Posts
Posts provide the backbone of your fence system. Line posts support the fence wire and keep it evenly spaced. Corner posts (generally wood) must be set deeper than line posts to withstand the strain of supporting the fence line. Temporary or portable posts are generally smaller and lighter.

Fence Wire
The electric fence wire conducts electricity around the enclosure. Wire types include smooth steel wire, high tensile wire, poly wire (stainless steel wire strands woven with polyethylene), poly tape, and poly rope. Your selection will depend on the type of fence, the type of animal you are containing and how long the fence will stay in place.

Insulators
Insulators prevent electrical shorts between the electrified wire and the fence posts. Good quality insulators are critical to a properly functioning fence. Insulators are most commonly plastic or ceramic.

Horse-Sense Electric Fence System®
For the equine enthusiast, we’ve developed a unique system that combines the best of electric fencing with the classic “white rail” look. Visit pages 20-21 for all you need to complete your horse enclosure.

High Tensile Fence System
A high tensile fence system requires many unique components. While not right for every type of animal or enclosure, a high tensile fence is affordable, attractive, easy to maintain and long lasting — from 20-40 years.

Accessories
Fence system tools like voltage testers help keep your fence in good working condition, while lightning diverters can help protect your fence. In addition, you’ll find warning flags and other fence system accessories.

SPECIES CONSIDERATIONS

<table>
<thead>
<tr>
<th>Animal</th>
<th>Minimum recommended voltage on fence*</th>
<th>Characteristics/Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horses</td>
<td>2000–3000 volts</td>
<td>High visibility for safety, white 1½” poly tape, low impedance fence controller, 3-5 strands</td>
</tr>
<tr>
<td>Cows</td>
<td>2000–3000 volts</td>
<td>If docile with plenty of pasture, 1-3 strands adequate</td>
</tr>
<tr>
<td>Bulls</td>
<td>3000–4000 volts</td>
<td>Extra shock needed to control a determined bull, 4 strands recommended</td>
</tr>
<tr>
<td>Sheep/Goats</td>
<td>4000–5000 volts</td>
<td>Difficult to confine (goats jump, thick coats require higher voltage), 4.6 strands</td>
</tr>
<tr>
<td>Nuisance Pests</td>
<td>1000–2000 volts</td>
<td>Smaller animals require closer wire spacing</td>
</tr>
<tr>
<td>Pigs</td>
<td>2000 volts</td>
<td>To deter from rooting, use 3-4 wires starting 6” from ground; solid state fence controller</td>
</tr>
<tr>
<td>Wolves/Predators</td>
<td>4000–5000 volts</td>
<td>Wires spaced 6-8” apart, high output shock value</td>
</tr>
<tr>
<td>Bisons/Deer</td>
<td>4000–5000 volts</td>
<td>6-8” tall to keep out deer; high visibility, low impedance fence controller</td>
</tr>
<tr>
<td>Pets</td>
<td>700–1000 volts</td>
<td>3-4 wires, starting 6” from ground; solid state fence controller</td>
</tr>
</tbody>
</table>

*Zareba Systems voltage testers (page 26-27) can help you determine if you have adequate voltage on your fence line.

KEY COMPONENTS AT A GLANCE

Fence Controller
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Accessories
Fence system tools like voltage testers help keep your fence in good working condition, while lightning diverters can help protect your fence. In addition, you’ll find warning flags and other fence system accessories.
**AC operated Fence Controllers**

Zareba Systems AC operated fence controllers are a great option where you have a reliable source of 110- or 220-volt electrical power. We offer a range of controllers for distances from less than one mile to over 200 miles. All Zareba System AC controllers feature:

- Rugged, weather resistant cabinets
- UL and CSA listed for most models
- Fence controller working lamp indicator
- Easy-access terminals and mounting brackets that allow for quick connections and installation
- A one-year warranty that includes damage caused by lightning
- 220-volt models also available

**LOW IMPEDANCE FENCE CONTROLLERS**

These models utilize special circuitry and transformers to maintain high energy levels on the fence. They are effective in moderate to heavy weed conditions and are ideal for longer, multi-strand polywire, tape, rope or high tensile fence systems. Use for all animals including predators.

**SOLID STATE FENCE CONTROLLERS**

These affordable controllers are particularly effective controlling short-haired livestock, small animals and pets where light to moderate weed conditions exist.
## AC operated Fence Controllers

<table>
<thead>
<tr>
<th>Model†</th>
<th>Mileage</th>
<th>Rating</th>
<th>Output Joules</th>
<th>Weed Conditions</th>
<th>Animals Controlled*</th>
<th>Other Info</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AC - LOW IMPEDANCE FENCE CONTROLLERS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba A10LI</td>
<td>10 miles</td>
<td>.5</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Snap'r LI15</td>
<td>15 miles</td>
<td>1.25</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba A25LI</td>
<td>25 miles</td>
<td>1</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Snap'r LI30</td>
<td>30 miles</td>
<td>1.8</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba A50LI</td>
<td>50 miles</td>
<td>2</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Snap'r LI50</td>
<td>50 miles</td>
<td>3.75</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba A100LI</td>
<td>100 miles</td>
<td>6</td>
<td>Heavy, wet</td>
<td>All animals including predators</td>
<td>Includes Storm Guard module</td>
<td></td>
</tr>
<tr>
<td>Red Snap'r LI100</td>
<td>100 miles</td>
<td>6.75</td>
<td>Heavy, wet</td>
<td>All animals including predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba A200LI</td>
<td>200 miles</td>
<td>15</td>
<td>Heavy, wet</td>
<td>All animals including predators</td>
<td>Includes Storm Guard module</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model†</th>
<th>Mileage</th>
<th>Rating</th>
<th>Weed Conditions</th>
<th>Animals Controlled*</th>
<th>Other Info</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AC - SOLID STATE FENCE CONTROLLERS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba ADD2</td>
<td>2 acres</td>
<td>None</td>
<td>Small animals and pets</td>
<td>Direct discharge (no ground rod required)</td>
<td></td>
</tr>
<tr>
<td>Zareba ADD4</td>
<td>4 acres</td>
<td>None</td>
<td>Small animals and pets</td>
<td>Direct discharge (no ground rod required)</td>
<td></td>
</tr>
<tr>
<td>Zareba ACC2</td>
<td>2 mile</td>
<td>None</td>
<td>Short haired animals, small animals and pets</td>
<td>Continuous current</td>
<td></td>
</tr>
<tr>
<td>Red Snap'r 33B</td>
<td>2 mile</td>
<td>None</td>
<td>Short haired animals, small animals and pets</td>
<td>Continuous current</td>
<td></td>
</tr>
<tr>
<td>Red Snap'r RS3</td>
<td>3 miles</td>
<td>None</td>
<td>Short haired animals, small animals and pets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba A5</td>
<td>T30, 500, 8900, 4400, C4400, V4400</td>
<td>5 miles</td>
<td>Moderate, dry</td>
<td>Most livestock, short haired animals, small animals and pets</td>
<td></td>
</tr>
<tr>
<td>Zareba A10M</td>
<td>T30, 8574, 4465, C4465, V4465, 77, 8565</td>
<td>10 miles</td>
<td>Moderate, dry</td>
<td>Most livestock, short haired animals, small animals and pets</td>
<td>Small metal cabinet</td>
</tr>
<tr>
<td>Zareba A15</td>
<td>4400, C4465, V4465, 77, 8565</td>
<td>15 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td></td>
</tr>
<tr>
<td>Zareba A15M</td>
<td>15 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>Small metal cabinet</td>
<td></td>
</tr>
<tr>
<td>Red Snap'r 66B</td>
<td>15 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba A20</td>
<td>4444, 8555</td>
<td>20 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td></td>
</tr>
<tr>
<td>Zareba A20M</td>
<td>20 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>Small metal cabinet</td>
<td></td>
</tr>
<tr>
<td>Zareba A20M</td>
<td>20 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>Large metal cabinet</td>
<td></td>
</tr>
<tr>
<td>Zareba A20CP</td>
<td>5200</td>
<td>20 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>Includes external Circuit Pak for easy repair</td>
</tr>
<tr>
<td>Red Snap'r 88B</td>
<td>20 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba 8200</td>
<td>Cow Trainer</td>
<td>NA</td>
<td>For use in dairy barns only</td>
<td>High/low switch</td>
<td></td>
</tr>
</tbody>
</table>

**Animals controlled:**
- Predator exclusion: wolves, bear, wild boar, deer
- Most livestock: cows and exotics, not bulls, sheep, goats
- Short haired animals: horses, pigs
- Small animals: rabbits, skunks, woodchucks, raccoons

**Note:** Alternate model numbers shown in smaller type may be offered in your area depending on fence controller brand.

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*Animals controlled: predator exclusion – wolves, bear, wild boar; deer; most livestock – cows and exotics, not bulls, sheep, goats; short haired animals – horses, pigs; small animals – rabbits, skunks, woodchucks, raccoons*

†Note: Model numbers shown in smaller type may be offered in your area depending on fence controller brand.
Battery-operated fence controllers are ideal for remote locations or areas without access to AC power. All Zareba Systems DC controllers feature:

- Rugged, weather resistant cabinets
- UL and CSA listed for most models
- Fence controller working lamp indicator
- Easy-access terminals and mounting brackets that allow for quick connections and installation
- A one-year warranty that includes damage caused by lightning
- We recommend 6- or 12-volt rechargeable deep cycle batteries (not included with fence controller). Batteries must be checked and charged on a regular basis to maintain secure fence operation.

LOW IMPEDANCE FENCE CONTROLLERS

These models utilize special circuitry and transformers to maintain high energy levels on the fence. They are effective in moderate to heavy weed conditions and are ideal for longer, multi-strand poly wire, tape, rope or high tensile fence systems. Use for all animals, including predators.

SOLID STATE FENCE CONTROLLERS

These affordable controllers are particularly effective controlling short-haired livestock, small animals and pets where light to moderate weed conditions exist.
# DC operated Fence Controllers

<table>
<thead>
<tr>
<th>Model†</th>
<th>Mileage Rating</th>
<th>Maximum Output Joules</th>
<th>Weed Conditions</th>
<th>Animals Controlled*</th>
<th>Battery Type**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DC — LOW IMPEDANCE FENCE CONTROLLERS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba B25LI</td>
<td>10 miles</td>
<td>.25</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td>(4) D-cell, or 6 volt or 12 volt battery</td>
</tr>
<tr>
<td>Red Snap'r LIB15</td>
<td>15 miles</td>
<td>.75</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td>12 volt energy saver switch</td>
</tr>
<tr>
<td>Zareba B25LI</td>
<td>25 miles</td>
<td>1</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td>12 volt</td>
</tr>
<tr>
<td>Red Snap'r LIB30</td>
<td>30 miles</td>
<td>1</td>
<td>Heavy</td>
<td>All animals including predators</td>
<td>12 volt</td>
</tr>
<tr>
<td>Zareba B50LI</td>
<td>50 miles</td>
<td>2</td>
<td>Heavy, wet</td>
<td>All animals including predators</td>
<td>12 volt</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model†</th>
<th>Mileage Rating</th>
<th>Weed Conditions</th>
<th>Animals Controlled*</th>
<th>Battery Type**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DC — SOLID STATE FENCE CONTROLLERS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zareba B5</td>
<td>5 miles</td>
<td>Moderate, dry</td>
<td>Short haired animals, small animals, pets</td>
<td>6 volt</td>
</tr>
<tr>
<td>Red Snap'r 448</td>
<td>10 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>6 or 12 volt</td>
</tr>
<tr>
<td>Zareba B10</td>
<td>10 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>6 or 12 volt</td>
</tr>
<tr>
<td>Zareba B10M</td>
<td>10 miles</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>6 or 12 volt</td>
</tr>
</tbody>
</table>

*Animals controlled:
- predator exclusion – wolves, bear, wild boar, deer
- most livestock – cows and exotics, not de bulls, sheep, goats
- short haired animals – horses, pigs
- small animals – rabbits, skunks, woodchucks, raccoons

**Note: Batteries for fence controllers are not included. For optimum performance we recommend deep-cycle 6 or 12 volt batteries.

†Note: Alternate model numbers shown in smaller type may be offered in your area depending on fence controller brand.
Our solar fence controllers include a 6-volt gel cell battery matched to the fencer’s circuitry and solar panel. Once fully charged, the battery can maintain a charge for up to 2 weeks, even in cloudy or rainy weather, making them ideal for remote locations.

All Zareba Systems solar fence controllers use low impedance technology to maintain maximum energy levels. They can compensate for energy loss caused by vegetation or fence load, enabling them to power long fences with moderate weeds.

Convenient carry handle and versatile mounting bracket allow for easy movement between locations and fast installation on wood posts, t-posts, u-posts or on the sides of buildings.

<table>
<thead>
<tr>
<th>Model†</th>
<th>Mileage Rating</th>
<th>Output Joules</th>
<th>Weed Conditions</th>
<th>Animals Controlled</th>
<th>Battery Type (included)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zareba SP3 (black) LIS3 (red), T504</td>
<td>3 miles</td>
<td>.05</td>
<td>Light</td>
<td>All animals except predators</td>
<td>6 volt, 4.5 amp battery</td>
</tr>
<tr>
<td>Zareba SP10 (black) LIS10 (red), TRSP</td>
<td>10 miles</td>
<td>.15</td>
<td>Moderate, dry</td>
<td>All animals except predators</td>
<td>6 volt, 12 amp battery</td>
</tr>
<tr>
<td>Zareba SP30 LIS30V, T512</td>
<td>30 miles</td>
<td>.5</td>
<td>Moderate, dry</td>
<td>All animals including predators</td>
<td>12 volt battery (2 6-volts in line) with solar setting for optimum performance and battery life</td>
</tr>
</tbody>
</table>

†Note: Alternate model numbers shown in smaller type may be offered in your area depending on fence controller brand.

### Solar Batteries and Chargers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Use with</th>
<th>Battery Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar battery (SB1)</td>
<td>SP10, LIS10</td>
<td>6-volt, 10-amp hour gel-cell battery</td>
</tr>
<tr>
<td>Solar battery (SB3)</td>
<td>SP3, LIS3</td>
<td>6-volt, 4.5-amp hour gel-cell battery</td>
</tr>
<tr>
<td>Solar battery (07068.92)</td>
<td>SP30 (requires 2) 07068.92</td>
<td>6-volt, 14-amp hour gel-cell battery</td>
</tr>
<tr>
<td>Solar battery charger (SBC1)</td>
<td>6-volt gel-cell batteries</td>
<td>Recharges battery in 24 hours</td>
</tr>
</tbody>
</table>
Grounding System

Why is grounding so important?
If the ground system is insufficient, electricity cannot find a path to the fencer and little or no shock is given. An animal provides this path when it touches the fence wire and the earth simultaneously. The electricity then passes through the animal into the soil and back to the ground rods, which are connected to the ground terminal of the fence controller. Only then is the circuit completed and the animal receives an electrical shock. Sandy, dry soils may require a ground-wire return system. Refer to the installation manual included with your fence controller or visit www.zarebasystems.com for more information.

How to Ground Your System
A. Install the controller in a building or weatherproof area. Solar fence controllers should be mounted outside, facing the equator for maximum sun exposure.
B. Drive three 6' or 8' ground rods (copper or galvanized metal) into permanently moist soil about 10' apart and at least 50' from other electrical grounds. If the soil is dry or subject to freezing part of the year, additional ground rods spaced 10' apart may be needed.
C. Connect the “ground” terminal on the fence controller to the ground rods with insulated wire and brass ground rod clamps.
D. Connect the “fence” terminal on the controller to the fence wire using line clamps and Zareba 20,000-volt insulated hookup wire.

Detailed installation and grounding instructions are included with every Zareba Systems electric fence controller.

Your fence controller needs to be properly installed and grounded in order to perform effectively. Make sure you have the following items on hand to install and complete a proper ground system:

- 8’ x ½” copper ground rod: GR8
- 6’ x ½” galvanized ground rod: 07104.96
- Brass ground rod clamp: 07105.96
- Galvanized line clamps: 07110.96
- Insulated wire:
  - UGC50 12¼ ga. 50’
  - 1404.92 14 ga. 50’
  - 7090.92 14 ga. 125’
Selecting Components—Fence Posts

A fence system normally requires two different types of posts: corner posts, used where greater tension occurs in the fence line, such as corners and gates, and line posts, used to support the fence wire between corners. Post selection depends on the type of fence (see chart of Basic Fence Systems on page 1) and the expected fence life.

Electric fencing typically uses fewer posts than conventional barbed or woven-wire fencing, making it less expensive and easier to install. The type of post you select also determines the type of insulator you choose (see page 14).

Post spacing will vary, depending on the animal being controlled, the topography (flat or rolling), and the type of fence. Refer to the Post Selection Guide to determine what post works best in your situation.

**POST SELECTION GUIDE**

<table>
<thead>
<tr>
<th>Post Type</th>
<th>Plastic Step-In Posts</th>
<th>Wood Posts</th>
<th>Steel T-Posts, U-Posts, T-Posts</th>
<th>Fiberglass t-post/ Rod posts</th>
<th>Metal Rod post</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corner Posts</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line Posts</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Spacers</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Possible Uses**

- Portable Fencing
- Semi-Permanent
- Permanent High Tensile
- Equine

**Step-In Posts for Portability**

Zareba's step-in poly fence post is ideal for temporary or portable fencing, including rotational grazing and temporary corrals. It accommodates all steel and poly wire, poly tape up to 1 1/2" wide, and poly rope up to 3/4" diameter. It has built-in insulator clips with an 8" galvanized steel spike for any ground conditions.

**ZAREBA SYSTEMS POSTS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Model Number/Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>White polyethylene step-in post with four insulator clips and 8&quot; galvanized steel spike</td>
<td>WSP24 - 24&quot;, WSP48 - 48&quot;</td>
</tr>
<tr>
<td>Black polyethylene step-in post with four insulator clips and 8&quot; galvanized steel spike</td>
<td>SIP24 - 24&quot;, SIP48 - 48&quot;</td>
</tr>
<tr>
<td>Steel rebar post</td>
<td>AEFP54 - 3/8&quot; x 54&quot;, EFP48 - 5/16&quot; x 48&quot;</td>
</tr>
<tr>
<td>Fiberglass rod post, 3/8&quot; diameter</td>
<td>FRP40 - 60&quot;, FRP54 - 54&quot;, FRP48 - 48&quot;</td>
</tr>
<tr>
<td>Rod post clip for fiberglass post</td>
<td>RPC20</td>
</tr>
<tr>
<td>fiberglass t-post</td>
<td>FTP54 - 54&quot;, FTP48 - 48&quot;</td>
</tr>
<tr>
<td>t-post clip for fiberglass post</td>
<td>TPC20</td>
</tr>
</tbody>
</table>
Selecting Components—Fence Wire

FENCE WIRE

Electric fence wire conducts the electric charge from the fence controller around the length of the fence. Review the wire options appropriate to the type of fence you are installing. (See Basic Fence Systems Chart, page 1).

The height and spacing of the wires will vary with the animal you are containing. Some typical wire spacing options are shown below. Position one electrified wire at animal’s shoulder height; this will cause it to hit the fence with its nose, making it back up. (See species considerations, page 3).

Barbed Wire Not Recommended
Remember that an electric fence is a psychological barrier, not a physical one, so it normally requires fewer posts and strands of wire than a conventional fence. Barbed wire and woven wire fences are more likely to be damaged by animals, and animals are more likely to be damaged by them. Because animals seldom come into contact with an electric fence more than once, it can also last longer than a conventional fence.
Zareba Systems offers a wide selection of fence wire made from high-density polyethylene strands woven with stainless steel wire, including poly wire, poly tape, and poly rope. These combination wires provide the strength and conductivity of galvanized steel and the lightweight, durable, and easy-handling qualities of our UV protected polyethylene. NOTE: Only use UL listed fence controllers with these products.

**ELECTRIC FENCE POLY WIRE**

Poly wire is a good fencing choice since it tends to be more visible than traditional wire. It weighs only 3 pounds per 1000 feet, making it very easy to handle, install, and rewind. It can be used over and over in temporary pastures and is easily tightened and repaired. Use a polywire tightener (PWT6) to maintain wire tension as needed.

Poly wire is ideal for temporary grazing, strip or rotational grazing, and general pasture and pet control.

For best results, energize poly wire fence lines with a low impedance fence controller.

<table>
<thead>
<tr>
<th>Model</th>
<th>Conductive Wires</th>
<th>Length</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSW500</td>
<td>3</td>
<td>500'</td>
<td>Yellow</td>
</tr>
<tr>
<td>RSW1000</td>
<td>3</td>
<td>1000'</td>
<td>Yellow</td>
</tr>
<tr>
<td>RSW660HD</td>
<td>6</td>
<td>660'</td>
<td>Yellow and Black</td>
</tr>
<tr>
<td>RSW1320HD - Heavy Duty</td>
<td>6</td>
<td>1320'</td>
<td>Yellow and Black</td>
</tr>
<tr>
<td>WRSW660HD - Heavy Duty</td>
<td>6</td>
<td>660'</td>
<td>White</td>
</tr>
<tr>
<td>WRSW1320HD - Heavy Duty</td>
<td>6</td>
<td>1320'</td>
<td>White</td>
</tr>
</tbody>
</table>

**WARNING:** Poly wire, poly tape and poly rope are designed for temporary, rotational grazing or in conjunction with permanent perimeter fencing. It is not intended as the sole means of animal restraint.
ELECTRIC FENCE POLY TAPE

Zareba Systems electric fence poly tape provides even greater visibility than poly wire. Reinforced, rip-stop edges also help protect the tape from wear and tear. The open weave design of the 1½” poly tape allows wind to pass through, reducing wear and increasing the longevity of the fence line.

Splicing poly tape is easy using specially designed splicer buckles for ½” wide (SBS4) or 1½” wide (SBL4) tape.

For best results, energize poly tape fence lines with a low impedance fence controller.

<table>
<thead>
<tr>
<th>Model</th>
<th>Conductive Wires</th>
<th>Length</th>
<th>Width</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTW1 – Heavy Duty</td>
<td>7</td>
<td>656’</td>
<td>½”</td>
<td>Yellow and Black</td>
</tr>
<tr>
<td>PTW2 – Heavy Duty</td>
<td>7</td>
<td>1312’</td>
<td>½”</td>
<td>Yellow and Black</td>
</tr>
<tr>
<td>PTW3</td>
<td>4</td>
<td>656’</td>
<td>½”</td>
<td>Yellow</td>
</tr>
<tr>
<td>PTW4</td>
<td>4</td>
<td>1312’</td>
<td>½”</td>
<td>Yellow</td>
</tr>
<tr>
<td>PTW5 – Heavy Duty</td>
<td>7</td>
<td>656’</td>
<td>½”</td>
<td>White</td>
</tr>
<tr>
<td>PTW6 – Heavy Duty</td>
<td>12</td>
<td>656’</td>
<td>1½”</td>
<td>White</td>
</tr>
<tr>
<td>PTW9 – Heavy Duty</td>
<td>12</td>
<td>330’</td>
<td>1½”</td>
<td>White</td>
</tr>
</tbody>
</table>

ELECTRIC FENCE POLY ROPE

Poly rope is another excellent high visibility choice for your fence line. It is stronger than other poly wires, with stainless steel strands woven through the rope. The steel strands ensure maximum electrical energy is carried through the fence line at all times. Use splicer (PRS2) to maintain a good connection.

For best results, energize poly rope fence lines with a low impedance fence controller.

<table>
<thead>
<tr>
<th>Model</th>
<th>Conductive Wires</th>
<th>Length</th>
<th>Diameter</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSR660</td>
<td>9</td>
<td>660’</td>
<td>¼”</td>
<td>white</td>
</tr>
</tbody>
</table>
Selecting Components—Insulators

Insulators allow you to fasten electrified wire to posts without losing energy through the post. There are many styles to choose from, because the insulator must match both the type of wire and the type of post being used. In addition, low-impedance fence controllers require insulators with greater arcing protection because of their high-energy output.

Insulators are made from materials that do not conduct electricity, most commonly plastic or ceramic. Using a good quality insulator is important to the performance and efficiency of your electric fence system.

RED SNAP’R® – INSULATORS THAT DON’T BREAK – GUARANTEED!

Red Snap’r Insulators:
- Are made from only the highest grade, high density polyethylene, resulting in a rugged durable construction.
- Provide excellent insulating characteristics.
- UV protected to resist weathering, even under the harshest conditions.
- Are designed for easy attachment to any type of fence post and wire.

How to Select Insulators
Start with the post type. Then select the right insulator based on the type of wire and fence controller used.
## Insulators

### WOOD POST INSULATORS - PLASTIC

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire Use with High Tensile?</th>
<th>Colors</th>
<th>Nails Included</th>
<th>No Nails Controllers?</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL25WP Wood post pin lock insulator</td>
<td>All fence wire, not poly tape or poly rope</td>
<td>No</td>
<td>Yellow PL25WP</td>
<td>Black PL25</td>
<td>Yes</td>
</tr>
<tr>
<td>WP25N Wood post insulator</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>No</td>
<td>Yellow WP25N</td>
<td>Black WP25</td>
<td>Yes</td>
</tr>
<tr>
<td>WPX25N 5&quot; wood post endextender insulator</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>No</td>
<td>Yellow WPX25N</td>
<td>Black WPX25N</td>
<td>Yes</td>
</tr>
<tr>
<td>SF25WP Economy wood post insulator</td>
<td>Thin gauge steel wire</td>
<td>No</td>
<td>Yellow SF25WP</td>
<td>Black SF25</td>
<td>No</td>
</tr>
<tr>
<td>WP25 Economy wood post square insulator</td>
<td>Thin gauge steel wire</td>
<td>No</td>
<td>Black WP25</td>
<td>Black WP25</td>
<td>No</td>
</tr>
<tr>
<td>WP25NB Economy wood post knob insulator</td>
<td>Thin gauge steel wire</td>
<td>No</td>
<td>Black WP25NB</td>
<td>Black WP25NB</td>
<td>No</td>
</tr>
<tr>
<td>07117.96 1&quot; wood post screw-in insulator</td>
<td>All fence wire and rope, not poly tape</td>
<td>Yes</td>
<td>Black NA</td>
<td>NA</td>
<td>No</td>
</tr>
<tr>
<td>PT25WP Poly tape insulator</td>
<td>Poly tape up to 2&quot; wide and poly wire/rope up to 1/8&quot; diameter</td>
<td>No</td>
<td>Yellow PT25WP</td>
<td>Black PT25WP</td>
<td>Yes</td>
</tr>
<tr>
<td>PT25WX 5&quot; poly tape extendextender insulator</td>
<td>Poly tape up to 1/2&quot; wide and poly wire/rope up to 1/8&quot; diameter</td>
<td>No</td>
<td>Yellow PT25WPX</td>
<td>Black PT25WPX</td>
<td>Yes</td>
</tr>
<tr>
<td>SC10N Snap'r Cap'r insulator for top of wood posts</td>
<td>Poly tape up to 1/2&quot; wide and poly wire/rope up to 1/8&quot; diameter</td>
<td>No</td>
<td>Yellow NA</td>
<td>Black NA</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### WOOD POST INSULATORS - CERAMIC

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire Use with High Tensile?</th>
<th>Nails Included</th>
<th>No Nails Controllers?</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP5 Single groove wood post insulator with washer</td>
<td>All fence wire, not poly rope or poly tape</td>
<td>No</td>
<td>WP5E</td>
<td>WP5</td>
</tr>
<tr>
<td>WP22 Multigroove ceramic wood post insulator with washer</td>
<td>All fence wire, not poly rope or poly tape</td>
<td>No</td>
<td>WP22E</td>
<td>WP22</td>
</tr>
</tbody>
</table>
### Insulators

#### WOOD POST/ CERAMIC INSULATOR ACCESSORIES

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Nut and J-bolt (WJ25)</td>
<td>Use to attach ceramic line insulators or plastic square and knob insulators to rod posts</td>
</tr>
<tr>
<td>Double-Head Nails with washers (07092.96)</td>
<td>Use to attach insulators to wood posts</td>
</tr>
<tr>
<td>Kwik Klips (07094.96)</td>
<td>Use to attach fence wire to ceramic insulators</td>
</tr>
</tbody>
</table>

#### T-POST INSULATORS

All Red Snap'r t-post insulators are designed to fit t-posts ranging from 1 1⁄4" to 1 3⁄8". They feature unique, unbreakable snap-on attachments for fast and secure installation.

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire</th>
<th>Use with High Tensile?</th>
<th>Colors</th>
<th>Model</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL25TP Wrap-around t-post pin lock insulator</td>
<td>All fence wire, not poly rope or poly tape</td>
<td>Yes</td>
<td>Yellow</td>
<td>YPL25TP</td>
<td>Yes</td>
</tr>
<tr>
<td>TP25N Wrap-around T-post insulator</td>
<td>All fence wire, not poly tape</td>
<td>No</td>
<td>Yellow</td>
<td>YTP25N</td>
<td>Yes</td>
</tr>
<tr>
<td>BSTP25N Backside of T-post or U-Post insulator</td>
<td>All fence wire, not poly tape</td>
<td>No</td>
<td>Yellow</td>
<td>YBSTP25N</td>
<td>Yes</td>
</tr>
<tr>
<td>TPX25N Wrap-around 5&quot; t-post extender insulator</td>
<td>All fence wire, not poly tape</td>
<td>No</td>
<td>Yellow</td>
<td>YTXP25N</td>
<td>Yes</td>
</tr>
<tr>
<td>SF25TP Economy T-post insulator</td>
<td>Steel fence wire</td>
<td>No</td>
<td>Yellow</td>
<td>YSF25TP</td>
<td>No</td>
</tr>
<tr>
<td>PT25TP Poly tape insulator</td>
<td>Poly tape up to 1 1⁄2&quot; wide</td>
<td>No</td>
<td>Yellow</td>
<td>YPT25TP</td>
<td>Yes</td>
</tr>
<tr>
<td>PT25TPX 5&quot; poly tape extender insulator</td>
<td>Poly tape up to 1 3⁄8&quot; wide and poly rope up to 1⁄2&quot; diameter</td>
<td>No</td>
<td>Yellow</td>
<td>YPT25TPX</td>
<td>Yes</td>
</tr>
<tr>
<td>SC10N Snap'r Cap'r insulator for top of t-posts</td>
<td>Poly tape up to 1 1⁄2&quot; wide or poly rope up to 1⁄2&quot; diameter</td>
<td>No</td>
<td>Yellow</td>
<td>YSC10N</td>
<td>Yes</td>
</tr>
</tbody>
</table>
# Insulators

## Rod Post Insulators

Red Snap'r rod post insulators have a self-centering post cavity with a spin-on nut that fits posts ranging from 1/8" to 9/16" in diameter (unless otherwise noted in the chart below).

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire</th>
<th>Use with High Tensile?</th>
<th>Colors</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP25N Rod post insulator</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>No</td>
<td>Yellow</td>
<td>Yes</td>
</tr>
<tr>
<td>SRP25N Rod post or “sucker” rod posts from 1/8&quot; to 1/2&quot; diameter</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>No</td>
<td>Yellow</td>
<td>Yes</td>
</tr>
<tr>
<td>PT25RP Poly tape insulator</td>
<td>Poly tape up to 1 1/2&quot; wide</td>
<td>No</td>
<td>Yellow</td>
<td>Yes</td>
</tr>
<tr>
<td>SF25RP Economy round post insulator</td>
<td>Steel fence wire</td>
<td>No</td>
<td>Yellow</td>
<td>No</td>
</tr>
</tbody>
</table>

## Corner Post Insulators - Plastic

Corner post insulators are designed to withstand the additional tension generated by the fence line pulling from the anchor point.

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire</th>
<th>Use with High Tensile?</th>
<th>Colors</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA10 Wrap-around insulator</td>
<td>Smooth steel wire and 12/16 ga. high tensile wire</td>
<td>Yes</td>
<td>Black only</td>
<td>Yes</td>
</tr>
<tr>
<td>DC10 Donut corner insulator, plastic</td>
<td>All fence wire and poly rope, 1/2&quot; poly tape</td>
<td>Yes</td>
<td>Yellow DC10 White</td>
<td>Yes</td>
</tr>
<tr>
<td>TRC10 Heavy duty corner insulator, plastic</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>No</td>
<td>Yellow TRC10 Black</td>
<td>Yes</td>
</tr>
<tr>
<td>CP10 Standard corner post insulator</td>
<td>Poly wire or light gauge steel wire</td>
<td>No</td>
<td>Yellow CP10 Black</td>
<td>No</td>
</tr>
</tbody>
</table>

## Corner Post Insulators - Ceramic

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire</th>
<th>Use with High Tensile?</th>
<th>Colors</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP6 1 1/2&quot; diameter insulator</td>
<td>All fence wire and poly rope, 1/2&quot; poly tape</td>
<td>Yes</td>
<td>Ceramic White</td>
<td>Yes</td>
</tr>
<tr>
<td>WP36 1 1/2&quot;diameter insulator</td>
<td>All fence wire and poly rope, 1/2&quot; poly tape</td>
<td>Yes</td>
<td>Ceramic White</td>
<td>Yes</td>
</tr>
<tr>
<td>WP4 Heavy duty U-shaped insulator</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>Yes</td>
<td>Ceramic White</td>
<td>Yes</td>
</tr>
</tbody>
</table>
**SPECIALTY INSULATORS**

Some electric fencing situations are unique, requiring their own special type of insulator. A chain link fence insulator is used for placing electric fence wires on a chain link fence to control animals that like to dig or jump. A tube-clamp insulator is a versatile option for managing livestock contained in a standard tube-type stock or corral panel enclosure.

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire</th>
<th>Use with High Tensile?</th>
<th>Colors</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>CX25 Chain link fence insulator</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>No</td>
<td>Black CX25, White XC25</td>
<td>Yes</td>
</tr>
<tr>
<td>TC10 Tube clamp insulator</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>No</td>
<td>Black TC10</td>
<td>Yes</td>
</tr>
</tbody>
</table>

CX25: Snap-on design attaches easily and securely, extending fence wire 31⁄2” away from fence.

TC10: Adjustable to fit all horizontal tubes from 1 1/8” to 1 3/4” in diameter. Unique ratchet lock prevents slippage.
GATE OPENINGS

Plan gate openings in your fence where people, animals and equipment need easy access to barns, stables or pastures. Give some advance thought to the location of gate openings and include these in the sketch of your fence layout. (See page 2)

Electrified gates are made from the same type of wire as the material used in your fence line. The number of gate strands should match the number of lines in your fence.

For easy assembly, consider using the gate-handle kits specific to the type of post or wire you are using. Our kits include the handle, insulators, hardware and simple installation instructions.

Depending on where the gate is located, you may need 20,000 volt underground hookup wire to carry the electrical current under the gate opening to the other side. This allows the fence to remain electrified even when the gate is open. A non-electrified metal gate also requires an underground wire.

GATE HANDLES AND KITS

<table>
<thead>
<tr>
<th>Item Number and Description</th>
<th>Fence Wire</th>
<th>Use with High Tensile?</th>
<th>Colors</th>
<th>Use with Low Impedance Controllers?</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDRGH10 Heavy-duty gate handle</td>
<td>All fence wire and poly rope, not poly tape</td>
<td>Yes</td>
<td>Yellow HDRGH10 Black HDRGH10</td>
<td></td>
</tr>
<tr>
<td>RGH10 Rubber gate handle</td>
<td>All fence wire, not poly rope or poly tape</td>
<td>Yes</td>
<td>Yellow RGH10 White RGH10</td>
<td></td>
</tr>
<tr>
<td>PG10 Plastic gate handle</td>
<td>All fence wire, not poly rope or poly tape</td>
<td>Yes</td>
<td>Yellow PG10 White PG10</td>
<td></td>
</tr>
<tr>
<td>SG1 16' Spring gate kit</td>
<td>For gates using wood posts</td>
<td>Yes</td>
<td>Black SG1</td>
<td></td>
</tr>
<tr>
<td>WPGK10 Wood post gate kit</td>
<td>All fence wire, not poly rope or poly tape</td>
<td>Yes</td>
<td>Yellow WPGK10 Black WPGK10</td>
<td></td>
</tr>
<tr>
<td>TPGK10 T-Post gate kit</td>
<td>All fence wire, not poly rope or poly tape</td>
<td>Yes</td>
<td>Yellow TPGK10 Black TPGK10</td>
<td></td>
</tr>
<tr>
<td>WPTGHK1 Poly tape gate kit for wood posts</td>
<td>For poly tape</td>
<td>No</td>
<td>White WPTGHK1</td>
<td></td>
</tr>
<tr>
<td>Underground hook up wire</td>
<td>For underground electrical connection between fence controller and fence line or for permanent gates</td>
<td>Yes</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>
This system is the logical alternative for the horse enthusiast looking for an attractive and affordable fencing option.

**The Horse-Sense Electric Fence System®**
- Easy to install
- Gives you a “white rail” look at a fraction of the cost
- Uses white poly tape to create a highly visible fence, safe for your horses
- Requires minimum maintenance once installed
- Gives you the flexibility to modify or expand as needed

**HORSE-SENSE SYSTEM CHECKLIST**

Use the checklist to determine the quantities you will need for each component.

1. **Fence Controller (page 4-8)**
   - Low Impedance Fence controller (AC, DC, Solar)

2. **Posts**
   - Line posts
     - Type of Line Posts (wood or T-post)
     - Line post spacing (12’ recommended)
   - Total # of line posts (perimeter feet ÷ post spacing)

3. **Corner posts - wood**
   - Number of gates (2 posts per gate)
   - PLUS
   - Number of corners
   - PLUS
   - Number of tensioning points other than gates, corners
   - TOTAL number of wood corner posts

4. **Vinyl Sleeves**
   - Vinyl Sleeve for T-posts (if using line t-posts)
   - Vinyl Sleeve for wood posts
     - (total # of wood posts used for corner and line)

5. **Fence Wire and Splicers**
   - Select one of the three fence wire options
     1. 1⁄2” white poly tape (PTW5) with small splicer buckle
        - perimeter feet x number of strands ÷ 656 = # rolls needed
        - Small splicer buckle (SBS4)
        - number needed = number rolls of 1⁄2” poly tape
        - OR
        - 1½” white poly tape (PTW6) with large splicer buckle
        - perimeter feet x number of strands ÷ 656 = number of rolls needed
        - Large splicer buckle (SBL4)
        - number needed = number rolls of 1½” poly tape
        - OR
        - 1⁄4” white poly rope (RSR660) with splicer
        - perimeter feet x number of strands ÷ 660 = number of rolls needed
        - Poly rope splicer (PRS2)
        - number needed = number rolls of 1⁄4” poly rope

6. **Insulators**
   - Line Post Insulators (WPT25WPS)
     - number of line posts x number of strands ÷ 25 = # bags needed
   - Corner Post Insulator/Tensioner with Electric Plate (WPT4UTEP)
     - number of WPT4UTEP = number of fence strands
   - Corner Post Insulators/Tensioners (WPT4UT)
     - number of WPT4UT = number of wood posts x number of strands of tape or rope ÷ # WPT4UTEP

7. **Other Fence Components**
   - Poly tape clip (WPTC25)
     - 1 bag per installation normally adequate
   - Poly tape jumper Kit (PTK1)
     - number of PTK1 = number of WPT4UTEP ÷ 4
   - Poly Tape Connector Clamp (PTCC1)
     - Need 1 if using poly tape
   - Poly Tape Gate Handle Kit (WPTGHC1)
     - number of gates x number of strands = number of kits needed

**Note:** Grounding System see page 9, other accessories see page 26.
Equine System

1) FENCE CONTROLLER
Select a low impedance fence controller (pages 4-8) with sufficient energy for your fence.

2) POST SELECTION AND SPACING
Plan to use wood posts at corners, gates, and all tensioning points. Wood posts or T-posts may be used for line posts. The recommended post spacing is 12 feet. Some applications may require additional wood posts for tensioning at the top and bottom of hills or for 100-200' long runs of fence.

White vinyl sleeves provide the finished white-rail look for your equine system. They are available in two sizes to cover wood posts or t-posts:

- Vinyl T-Post Sleeve with Cap (VTPS16) 2” square x 5’ fits all t-posts
- Vinyl Wood Post Sleeve with Cap (VWPS4) 4” square x 5’ fits 3 1/2” diameter round or 3 1/2” x 3 1/2” square wood posts

3) FENCE WIRE AND SPLICERS
You may select 1/2” white poly tape, 1 1/2” white poly tape, or 1/4” diameter poly rope for your fence line. Choose the wider tape for greater visibility. The tape or rope you select will determine the splicer used to connect lines of tape or rope.

Number of strands
Four equally spaced strands provide optimum visibility. For mares and geldings, three equally spaced strands should be adequate. For stallions and colts, a minimum of four to five strands is recommended.

- 1/2” white poly tape (PTW5) with stainless steel buckle (SBL54)
- 1 1/2” white poly tape (PTW6) with large stainless steel splicer buckle (SBL4)
- 1/4” white poly rope (RSR660) with stainless steel splicer (PRS2)

4) INSULATORS AND TENSIONERS
Line Post Insulator (WPT25WPS) – Use on vinyl sleeves or wood posts with 1/2” or 1 1/2” poly tape or 1/4” poly rope. Screws included. 25 per bag.

Poly Tape Universal Tensioner with Electrical Plate (WPT4UTEP) – Used where an electrical connection is required:
1) Connection to fence controller
2) cross fencing
3) strand jumping. Kit includes 4 universal tensioners/stainless steel connector plates.

Poly Tape Universal Tensioner (WPT4UT) – Ideal for three types of fence situations:
1) corner insulator/tensioner
2) in-line tensioner
3) direction changes greater than 10° (up and down hill). Screws included. 4 per bag.

5) OTHER FENCE COMPONENTS
Poly Tape Clip (WPTC25) – Plastic clip to securely hold poly tape loose ends. One bag needed per fence installation. (25 per bag)

Poly Tape Electrical Strand Jumper Kit (PTJK1) – Connect poly tape fence strands. Includes 60” electrical wire, 4 stainless steel machine screws/wing nuts.

Poly Tape Connector Clamp (PTCC1) – Use to connect controller to poly tape. 1 clamp per bag.

Poly Tape Gate Handle Kit (WPTGHK1) – Includes 1 gate handle, 2 universal tensioners, 1 electrical connector plate, and 4 screws. 1 kit per bag.
High Tensile System

HIGH-TENSILE FENCE SYSTEM

Electrified high tensile fencing is an excellent choice for a permanent perimeter fence. It’s an affordable, low-maintenance effective barrier for animal containment or exclusion, lasting up to 40 years.

Before you begin, sketch the area you wish to enclose, noting distances, corners, gate locations, and dips or rises in the terrain. Then use the check list on these pages to select the components you need.

HIGH TENSILE BRACING OPTIONS

- **Double Corner Brace**
- **Single Corner Brace**
- **Double End Brace**
- **Single End Brace**
- **Horizontal Posts**
- **4” x 8’ Brace Posts**
- **6” x 8’ Brace Posts**
- **10” Pin**
- **10” Pin Extended 2”**
- **4” x 8” Brace Posts**
- **6” x 8” Brace Posts**

**HIGH-TENSILE SYSTEM CHECKLIST**

Use the checklist to determine the quantities you will need for each component. Refer to pages 24-25 for product information.

### Fence Controller
- Fence controller model
- Perimeter feet to enclose

### Posts
- Note: horizontal post in brace system should be 4” diameter x 8” long
- **Corner/gate posts**
  - Single Brace: (6 strands or less)
    - number of corners x 5
    - PLUS
    - number of gates x 6
    - PLUS
    - number of ends x 3
    - EQUALS
    - Total single brace posts
  - Double Brace: (7 strands or more)
    - number of corners x 9
    - PLUS
    - number of gates x 10
    - PLUS
    - number of ends x 5
    - EQUALS
    - Total double brace posts

### Line posts
- Line post spacing (in feet)

**TOTAL number of line posts**

- (perimeter feet divided by post spacing)
- (deduct for footage used in corners/gates/ends)

**TOTAL POSTS**

- (single brace posts + double brace posts + line posts)

### Fence Wire
- Number of strands
- Total feet needed (perimeter feet x #strands)
High Tensile System

Installation Tools
You will need at least one of each tool for your installation. Depending on how many people are installing the fence, additional tools may be needed.

- Spinning Jenny (SJ1)
- Two-Hole Twisting Tool (2HTT1)
- Fence Wire Cutter (FWC1)
- 4-Slot Crimping Tool (4SCT1)
- Strainer Handle (SH1)

Insulators

Line Post Insulators
Select an insulator type for your line posts.

- Pin-lock insulator for wood posts (PL25WP)
- Pin-lock insulator for t-posts (PL25TP)
- 4-Inch Tube Insulator (4TI50)

Corner and End Post Insulators
Select an insulator type for corner and end posts.

- Wrap Around Insulator (WA10)
- Donut Corner Insulator (DC10)
- Ceramic 1/2” diameter (WP6)
- Ceramic 1 1/8” diameter (WP36)
- Ceramic U-shaped insulator (WP4)

Number of line posts x number of strands + number of vertical brace posts = TOTAL number of line post insulators needed

Fence Hardware

In-Line Strainer (ILS1)
1 per wire strand every 2,500 perimeter feet of fence wire (add 500 feet to perimeter distance for each corner, dip, bend)

- Large Tension Spring (LTS1)
  Same number as in-line strainers determined above

Crimping Sleeves
Sleeve size based on gauge of wire

- number of sleeves needed = number of strands x number of gate posts + number of end posts x 3
  PLUS
  number of strands x number of in-line strainers x 2
  PLUS
  number of strands x number of wire splices x 3

TOTAL crimp sleeves needed

Fence Wire Taps (FWT10)
number of wire taps = number of electrical connections required

Wire Link 12½ gauge (WL12)
number of wire links = number of of wire splices

Wire Vise 12½ gauge (WV125)
number of wire vises = number of end posts attaching non-electric wire to

5-Inch or 10-Inch Galvanized Brace Pin (GBP5 or GBP10)
number of corner posts x 2 = number of 5” pins needed
number of vertical brace posts = number of 10” pins needed

Duck Bill Anchor (DBA1)
As needed to anchor posts in loose or moist soil

Barbed Staples (BS5)
If using tube insulators: number of wood posts x number of wire strands
If pin lock insulators: number of wood posts x number of non-electrified wire strands

Note: Grounding System see page 9, other accessories see page 26.
High Tensile System

1) FENCE CONTROLLER

Select a low impedance fence controller (pages 4-8) with sufficient energy for your fence.

2) POST SELECTION AND SPACING

Because the distance between posts in a high tensile system can be 30'–90', and the wire is under tension, wood posts are recommended. Line posts should be a minimum 4” in diameter, with 6-8” diameter posts used for corner posts and gate posts. In some cases T-posts may be used for line posts.

Post Length

When purchasing posts, be sure to allow additional length for sinking posts into the ground. As a general guide, the overall post length should be the depth driven into the ground, plus the height of the top wire, plus 2”.

Post Spacing

Post spacing depends on many factors, including the animal being controlled, the number of wires used, the number of spacers between posts, the amount of animal pressure (the more animals per acre, the less distance between posts) and the terrain. The number of wires also determines the type of bracing used at corners and gate openings.

Typical Post Spacing

<table>
<thead>
<tr>
<th>Species</th>
<th>Number of Strands</th>
<th>Post Spacing</th>
<th>Corner Bracing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dairy Cattle</td>
<td>2-4</td>
<td>30'-90'</td>
<td>Single (requires 3 posts)</td>
</tr>
<tr>
<td>Beef cattle, sheep, goats</td>
<td>4-6</td>
<td>30'-90'</td>
<td>Single (requires 3 posts)</td>
</tr>
<tr>
<td>Hogs</td>
<td>3</td>
<td>30'</td>
<td>Single (requires 3 posts)</td>
</tr>
<tr>
<td>Deer (exclusion)</td>
<td>6 +</td>
<td>30'-60'</td>
<td>Double (requires 5 posts)</td>
</tr>
</tbody>
</table>

Predator control requires additional wire strands spaced appropriately for the type of predator.

3) FENCE WIRE

Your high tensile fence system is most effective when electrified. Use 12½ gauge high tensile wire. When properly tensioned to 250 lbs., the wire will flex under pressure.

Wire spacing

Wire spacing will vary depending on the animal. Refer to page 11 for common wire spacings. (Note: high tensile wire is not recommended for horses.)

4) INSTALLATION TOOLS

Some special tools are required for installation of your high tensile fence system.

Installation Tools

- Spinning Jenny Fence Wire De-reeler (SJ1) 1 per box
  Use for easy payout of coiled high tensile fence wire. Failure to use a spinning jenny will result in tangled, unmanageable wire. Holds up to 4,000 feet of wire. Handle coiled wire with caution and wear appropriate safety gear including gloves and safety glasses.

- Two-Hole Twisting Tool (2HTT1) 1 per pack
  Essential tool for bending or twisting high-tensile wire or for twisting T-post or spacer clips to fasten wire onto posts. Use with up to 8 gauge wire. Plan on 1 per person working the installation.

- Fence Wire Cutter (FWC1) 1 per pack
  Hardened jaws cut high-tensile wire up to 12½ gauge. Spring-loaded handles lock when closed for easy carrying. Plan on 1 per person working the installation.

- 4-Slot Crimping Tool (4SCT1)
  Use when splicing fence wire with crimping sleeves. Works with 9–15½ gauge wire. One per fence installation.

- Strainer Handle (SH1)
  Use to increase line tension at each in-line strainer. Use caution when tensioning high tensile wire. Plan on 1 per person working on installation.
High Tensile System

5) INSULATORS

Line posts
We recommend either pin lock or tube insulators for high tensile fence systems. Both allow the fence wire to move as needed. Refer to page 15-17 for additional insulator information.

Pin-lock insulator for Wood Post (PL25WP) – Wood post pin lock insulator. Attaches with two nails, available in yellow or black.

Pin-lock insulator for T-Post (PL25TP) – T-post pin lock insulator. Snaps on for easy installation. Available in yellow or black.

4-Inch Tube Insulator (4TI50) – Made of durable non-conducting polyethylene. Attaches with 2-inch barbed staple.

Corner and End Posts
There are five options for corner and end-post insulators:

Wrap Around Insulator (WAI10) – Slide wire through tube and wrap insulator around corner or end post. Secure with 2” barbed staple. Durable polyethylene with galvanized metal insert for added strength. Full 20” long for use with posts up to 6” in diameter.

Donut Corner Insulator (DC10) – Made of unbreakable polycarbonate, extremely strong with 5,000-lb. tensile strength.

Ceramic Corner Insulators –
WP6  1 5⁄8” diameter
WP36 1 1⁄4” diameter
WP4  Heavy duty U-shaped insulator

6) FENCE HARDWARE

In-Line Strainer (ILS1)
Strainers are used with the strainer handle to increase the tension on the fence wire to about 250 lbs. Install strainers every 1,500-2,500’. Strainers should be located in the middle of a fence span, for example halfway between two corner posts. Every friction point (corners, bends, dips, rises) reduces the strainer’s tension capacity by about 500 feet. One strainer can tension wire through no more than two corners.

Large Tension Spring (LTS1)
Measures wire tension; 1” compression equals 150 lbs. tension. Helps absorb expansion and contraction of the fence wire. Use one with every in-line strainer.

Fence Wire Taps (FWT10) 10 per pack
Electrically connects jumper wire to fence wire, or hookup wire to fence wire. We recommend crimping twice for a secure connection. Crimping tool required.

Crimping Sleeves (25 splicers per pack)
Use for high-tensile wire splices and connecting wire to in-line strainers. Use 3 sleeves per splice for wire, two sleeves for end-post loops and in-line strainer attachments. Crimping tool required.

<table>
<thead>
<tr>
<th>Sleeve Size/Part #</th>
<th>For Use with Wire Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2 (CS2225)</td>
<td>14½ - 15½ ga. smooth</td>
</tr>
<tr>
<td>2-3 (CS3225)</td>
<td>12½ ga. smooth</td>
</tr>
<tr>
<td>3-4 (CS4245)</td>
<td>10 - 11 ga. smooth or 14 - 15 ga. barbed wire</td>
</tr>
<tr>
<td>4-5 (CS54525)</td>
<td>9 ga. smooth or 12½ - 13½ ga. barbed wire</td>
</tr>
</tbody>
</table>

12½ Gauge Wire Link (WL12) 5 per pack
Use to splice wire (one wire link replaces 3 crimping sleeves) or repair broken 12-12½ gauge wire. Simply insert wire into each end of link. No tools needed.

12½ Gauge Wire Vise (WVI125) 5 per pack
Use with 12½ gauge wire as an end post fastener. Vise automatically locks wire when pulled through. No tools needed. Not for use with electrified wires.

5-Inch or 10-Inch Galvanized Brace Pin (GBP5 or GBP10) 5 per pack
Use to attach horizontal brace post to upright brace posts in corner and brace post assemblies. Class III galvanized for rust resistance and long life. 5” pins used in anchor posts; 10” pin used in vertical brace posts.

Duck Bill Anchor (DBA1) 1 per pack
Anchoring for corner posts or minor dips in fence line. Easy to install. Use to anchor posts in loose or moist soil.

Barbed Staples (BS5) 5 pounds per box
2-inch barbed staples ensure solid grip in posts. Class III galvanized steel for long life. (Approximately 50-60 staples per pound)

Grounding System
Sufficient grounding is required for your fence to function at it’s best. See page 9 for grounding materials and installation information.

Other Accessories
You will need underground hook-up wire for connecting power at gates and fence openings. Other lightning protection and fence accessories are on page 26.
FENCE SYSTEM KITS—COMPLETE KITS FOR EASY INSTALLATION AND USE

K-9 Pet and Garden Kit (K-9 Kit)
- The K-9 Kit is a complete fencing system for enclosing small animals and protecting gardens from small pests. The kit is fast and simple to set up and easy to use. 6 month warranty.
- K-9 fence controller also available separately (model K-9).
- The K-9 Pet and Garden Kit includes:
  - K-9 fence controller, UL listed
  - 10 plastic posts
  - 100 ft. poly wire
  - Wire pins to attach wire to posts
  - Direct discharge, no ground rod required

EQUINE KITS

EZEE Corral™ (EZEE)
Unique design uses 1½” bi-polar poly tape in self-contained reels; a ground rod is not needed to deliver a safe, effective shock. Everything you need for a 900-square-foot corral fits neatly in single canvas bag with shoulder and saddle straps. Weighs less than 22 pounds. Electric fence controller is integrated into a corner post and operates on 4 D-cell batteries.

Kwik Korral (KK1)
Complete and easy-to-use portable corral system. Great for trail rides and horse shows. Includes battery operated (4 D-cell) model B10LI fence controller, 8 poly step-in posts, 330 feet of 1⁄2” poly tape, ground rod, instructions, and carrying bag.

ACCESSORIES

Voltage Testers
A fence tester is indispensable for testing voltage levels on your fence line and fence controller. It is also helpful for finding fence line faults. Keep one on hand for regular fence line maintenance.

Digital Electric Fence Tester (DEFT1)
Provides digital accuracy and easy-read out. Measures up to 9,900 volts (9.9 kv). Durable plastic case has self-contained ground probe. Provides accurate readings on poly tape as well as poly wire and steel wire fences.

Eight-light Voltage Tester (RSVT8)
Neon lights indicate voltage levels, from 600 volts to 7000 volts.
Universal Fence Tester (UFT)  
Simple tester with a single light indicates whether current is on the fence line.

Electric Fence Alarm (EFA1)  
You can rest assured that your fence is working and your animals are safe with an electric fence alarm. The fence alarm goes off when your electric fence voltage drops below a preset level. It is equipped with both siren and light warning devices and can connect to an auto-dialer, a yard light, and other alarm applications. 12-volt battery operated (not included) with AC adapter available.

Lightning and Power Surge Protection  
Lightning is often the cause of fence controller failure. When lightning strikes the fence, the sudden power surge can travel down the fence wire and damage the fence controller*. A variety of properly installed products can prevent or limit lightning damage.

- To prolong the life of your fence controller, consider disconnecting the fence controller from the power source when storms are near.
- Install a lightning diverter/arrestor to divert lightning to the earth before it can damage the controller. For greatest protection, install one lightning diverter/arrestor at each corner of the fence, but no closer than 50 feet to the fence controller.
- Use a lightning choke between the fence line and fence controller to dissipate power surges caused by lightning.
- Use an AC surge suppressor to protect against AC power surges.
- Use the Spring Gate Assembly (see gate kits page 19) for your gate opening. It can help to dissipate lightning surges as they travel down the fence line.

*All Zareba Systems fence controllers are warranted for lightning damage for one year from the date of purchase.

Storm Guard (01667.92)  
For use with low impedance fence controllers of 1 joule output or more. Attaches quickly and easily to the fence and ground terminals on the fence controller to reduce damage from lightning strikes.

Lightning Constrictor (LC1)  
Combination lightning diverter and lightning choke assembly all in one. Install between fence line and fence controller.

Lightning Diverter (07106.96) and Lightning Arrestor (LA1)  
Both help to protect your fence controller by creating a “path of least resistance,” diverting lightning surges to the ground. Requires a separate ground rod system consisting of three (3) 6’ or 8’ long ground rods spaced 10’ apart.

AC Surge Suppressor (1549.96)  
Provides affordable fence controller protection from AC power surges up to 6,000 volts. UL listed with an operation indicator light.
OTHER FENCE ACCESSORIES

Cut-Off Switch (COS1)
Use to turn electric fence on and off at convenient locations such as fence corners and gates. Helps to locate short circuits. Easy to install.

Warning Flags (FWF10) and Warning Signs (WS100)
Give your electric fence high visibility with low-cost, easy to install warning signs. Recommend one every 200'-300'. Fence warning flags (FWF100 or WFWF100) wave in the breeze to make the fence line more visible to animals. Fence warning signs (WS100) make people aware of the electric fence.

Wire Winder (140)
Use to wind up and pay out fence wire. Spool holds approximately ½ mile of 17-gauge electric fence wire. Extra spools available. (40).

T-Post clips (TPWC25 photo)
Fits standard size 1.25 and 1.33 lb. T-posts. Use to attach non-electrified wire to t-posts. Attaches easily with pliers or screwdriver. Heavily galvanized 11-gauge wire.

Fence Controller Accessories and Parts
Check below for repair or replacement parts for your fence controller. If they are not available in your local farm or hardware store, please visit our web site at www.zarebasystems.com for ordering information.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-prong chopper (1 per pack)</td>
<td>For weed-chopper fence controllers with three-prong chopper receptacles</td>
<td>07053.92</td>
</tr>
<tr>
<td>Four-prong chopper (1 per pack)</td>
<td>For weed-chopper fence controllers with four-prong chopper receptacles</td>
<td>07054.92</td>
</tr>
<tr>
<td>1 amp fuse (5 per pack)</td>
<td>Replaceable 1 amp fuse for all fused 110-volt models</td>
<td>07055.92</td>
</tr>
<tr>
<td>Fuse Cap (2 per pack)</td>
<td>Replacement for Zareba fencers manufactured prior to 1991 (except Red Snap'r)</td>
<td>07064.92</td>
</tr>
<tr>
<td>Fuse Cap (2 per pack)</td>
<td>Replacement for Red Snap'r fencers manufactured prior to 1993. ⅜&quot; long</td>
<td>FC1-3</td>
</tr>
<tr>
<td>Fuse Cap (2 per pack)</td>
<td>Replacement for Red Snap'r fencers manufactured after 1993. ⅛&quot; long</td>
<td>FC1-2</td>
</tr>
<tr>
<td>Fused plug (1 per pack)</td>
<td>AC plug for use with replaceable 1 amp fuses (fuses not included)</td>
<td>07063.92</td>
</tr>
<tr>
<td>Battery clips (2 per pack)</td>
<td>Positive (+) and negative (-) clips to connect fencer to battery posts</td>
<td>07066.92</td>
</tr>
<tr>
<td>Power Module (1 per pack)</td>
<td>For Zareba A20CP style fence controllers (909M and S100) manufactured prior to August, 1995</td>
<td>07067.92</td>
</tr>
<tr>
<td>Circuit Pak (1 per pack)</td>
<td>For Zareba A20CP style fence controllers (909M and S100) manufactured after July, 1995</td>
<td>08010.92</td>
</tr>
<tr>
<td>Fuse holder (2 per pack)</td>
<td>Replacement fuse holders for Zareba fencers manufactured prior to 1994 (except Red Snap'r)</td>
<td>07062.92</td>
</tr>
</tbody>
</table>
ELECTRIC FENCE INSTALLATION

Every Zareba Systems fence controller comes with a detailed installation manual. In addition, individual components include “how-to” instructions to assist in your fence system assembly.

Location of your Fence Controller
Your fence controller should be:
1. Sheltered from the weather (except solar controllers). Indoors protected from moisture or outdoors in a protective enclosure.
2. Close to 110 volt AC power source (unless battery or solar powered).
3. Accessible to a separate ground rod system.

Mount the fence controller off the ground using a screw or nail through the hanger hole in the fencer case. Connect the ground wire to the ground terminal and ground rods using insulated ground wire. Connect the fence terminal to the fence wire using Zareba 20,000 volt hook up wire. (See page 9 for grounding information)

Items You’ll Need
It’s a good idea to gather a few common tools before you begin installing your electric fence. We also recommend that you wear protective gloves and clothing during the installation.
- Post hole digger and/or T-post driver
- Phillips and standard screwdrivers
- String line
- Cordless drill
- Scissors

High tensile fencing requires some additional, unique tools. See high tensile fencing products on page 12.

ADDITIONAL TIPS

Connections are Critical
Use properly insulated wire for all connections. Proper wire connectors, clamps, and splices throughout the fence will help ensure positive electrical connections. Use only high-quality insulators and gate handles, like those from Red Snap’r and Zareba Systems. If using metal fence posts, make sure the fence wires cannot touch the posts.

Post Spacing and Positioning
Don’t worry about spacing posts evenly. On level terrain they can be further apart; on uneven terrain, posts need to be spaced wherever there is a high or low spot. On hillsides, posts should be installed perpendicular to the slope. This keeps the wire at the proper height and spacing and prevents it from binding on insulators or clips.

Regular Fence Maintenance is Important
Once installed, checking the fence line should become a regular part of your routine. Keep insulators free from dirt, dust, and cobwebs. If possible, keep the fence line free from weeds. Weeds can draw power from the fence, causing it to lose efficiency. Check for tree limbs and other debris that may be touching the fence. A voltage tester (see page 26) can help you determine that adequate voltage is on the fence line.

Keeping It All Under Control
We hope this planning guide provided the basic information you needed to plan and select components for your fencing system. A well-planned and properly installed system, combined with high-quality Zareba Systems products, will ensure that your fence performs for years to come.

For more information, please visit our interactive fence planning guide on our web site at www.zarebasystems.com.

Thank you for choosing Zareba Systems.

zarebasystems.com
Zareba Systems, Ellendale, MN 56026
1.800.272.9877
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