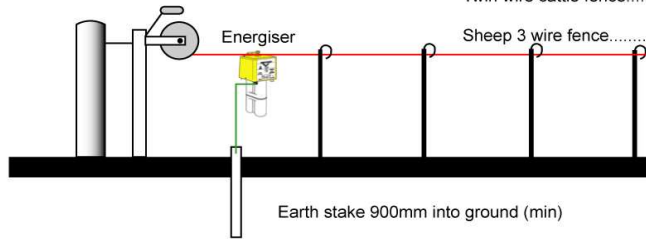


### Strip Grazing



### Strip Grazing Wire & Post Spacing

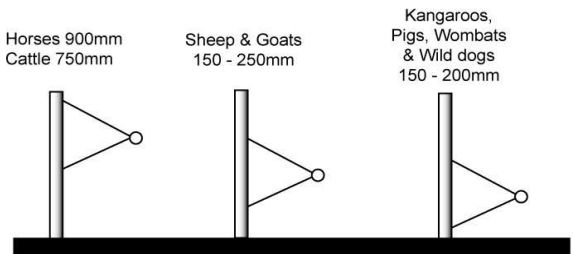
Post spacing.....	15 metres approx. (flat Ground)
Single wire cattle fence.....	Wire 800mm off ground
Twin wire cattle fence.....	Wire 1 450mm off ground
.....	Wire 2 900mm off ground
Sheep 3 wire fence.....	Wire 1 250mm off ground
.....	Wire 2 500mm off ground
.....	Wire 3 800mm off ground

Earth stake 900mm into ground (min)

### Offset wires

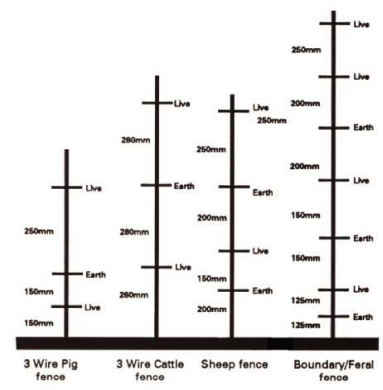
Offset wires are used to upgrade existing fences, extending fence life and reducing damage. Installed on one or both sides of fence, improves stock control.

### Approx. wire height settings



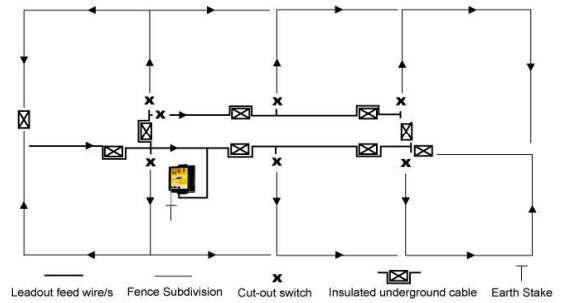
Space offsets approx 15 metres apart (MAX)  
Always earth the existing fence by connecting it to earth stakes.

### Wire Spacing



### Layout Design

Suggested basic layout for area of operation.



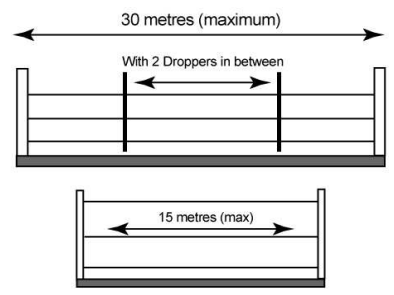
NSW  
PH: (02) 6372 3600

VIC  
PH: (03) 9796 2319

QLD  
PH: (07) 3285 5711

TAS  
PH: 0417 554 024

### Post Spacing

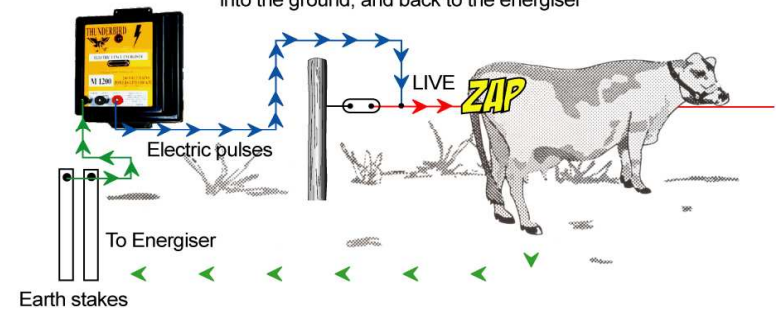


# THUNDERBIRD Electric Fence System

## Helpful Hints How an electric fence works

### Ground earth return system

The pulse travels from the live wire through the animal into the ground, and back to the energiser

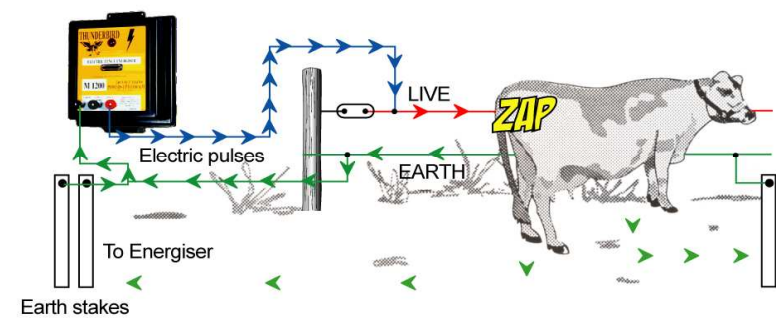


This method requires good soil moisture  
(Recommended for strip grazing only)

### Earth wire return system

(The preferred method)

When the animal pushes against both the live wire and earth return wire a strong pulse is passed directly through the animal. This method overcomes the problem of reduced or no pulse transmission due to poor electrical conductivity in the soil. (Eg. dry weather, drought)



- The pulse must return back to the energiser for a shock to be received
- Use a bentonite earth kit in dry soil areas.
- Earth wires are recommended for long fence or dry soil areas.



### Installing Energisers

Install Mains Energisers inside a shed. Cover Battery Energisers from weather. Use insulated underground cable for connection from energiser to live wire/s. Do not use COPPER WIRE or copper earth stake. USE GALVANISED WIRE/S AND EARTH STAKES.

### Wire Connectors

To achieve a good electrical joint, use a wire Joint Clamp. Twisting wires is not recommended. For joining Earth Return wires, we recommend that a joint clamp be used also.

### Wire

2.5mm high or medium Tensile galvanised wire is recommended.

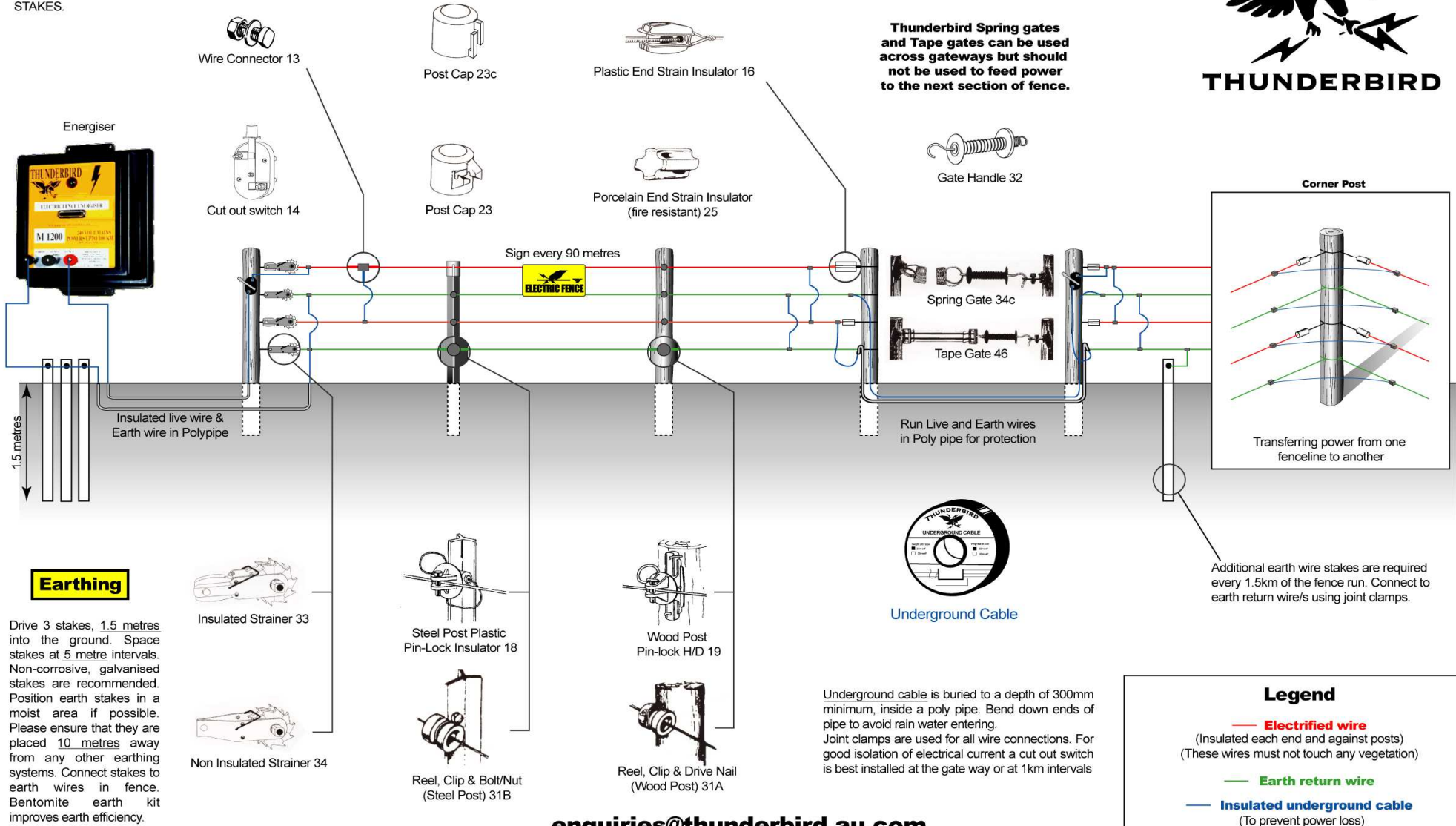
**DO NOT USE BARBED WIRE IN ELECTIC FENCING**

### Paralleling Common Wire

To reduce voltage loss, join all live wires and earth wires together (live to live, earth to earth). Use underground cables and joint clamps. Parallel wires from start to finish of each strain.



**Thunderbird Spring gates and Tape gates can be used across gateways but should not be used to feed power to the next section of fence.**



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