

## Designing, developing and expanding a landscape lighting scheme.

The Linkable range of landscape lighting provides a unique method of designing, developing and expanding a landscape lighting scheme. The method utilised in this system allows speedy connection and ultimate flexibility. The low voltage transformer, cabling and connection system is both ultra safe and robust. Requiring no in depth electrical knowledge to design and install a system to be proud of.

Two sizes of transformer are available 60va and 150va. These units are weather resistant to IP44 and come with 2 metres of mains cable and a standard BS1363 three pin plug. The transformers use a unique landscape lighting quick connection system. The 60va transformer has one output cable, 1 metre long, terminated with one quick connector. The 150va transformer has two output cables, 1 metre long, each terminated with one quick connector. (See Fig.1 below). These quick connectors are your starting point.

Using the landscape lighting cable system available in 25 and 50 metre lengths you simply clamp in the start of the cable length you have chosen and route the cable where you want it to go. The landscape lights are supplied with 2 metres of cable and of course a quick connector (See Fig. 2 below). Simply choose the location of your first landscape light and clamp the quick connector supplied onto your cable run.

*Trade tip.....to ensure a good connection every time on the quick connector open up the connector, by removing the two nuts and bolts. Refit the two halves of the cable connector back together in position on the cable run. Squeeze the connector together between finger and thumb. Remove the connector from the cable run. Locate the dimples now marked in both cores of the cable run. Nick off the insulation, in the form of a 'V' cut, using a sharp knife on both sides of the cable run, where the two dimples are, to expose the copper core of the wire. Re-fit the quick connector in exactly the same position on the cable run and clamp up the quick connector using the two nuts and bolts.*

The 60va transformer is able to power up to three landscape lights with 20w lamps the 150va transformer up to seven landscape lights with 20w lamps. The 25m cable is ideal for use with the 60va transformer in a single run. The 150va transformer has two outputs to allow the cable to run round the landscape layout in the form of a loop (See Fig. 3. below) and then back to the transformer. The 25m or 50m cable can be used in this configuration. If you need a longer cable two 50m cables may be joined together to give a 100m loop for use on the 150va transformer. Using the latter configuration some voltage drop may occur but all lamps will be of the same brightness because the voltage will be balanced around the cable loop.

Want something really special? Then think LED's. By replacing the standard 20w lamps with LED lamps you can bring real colour to your landscape design. Running costs are extremely low, each LED is approximately 1 watt. PLUS this allows you to run up to to 60 LED's on the 60va transformer and 150 LED's on the 150va transformer.

**Fig. 1**



**Fig. 2**



**Fig. 3**

