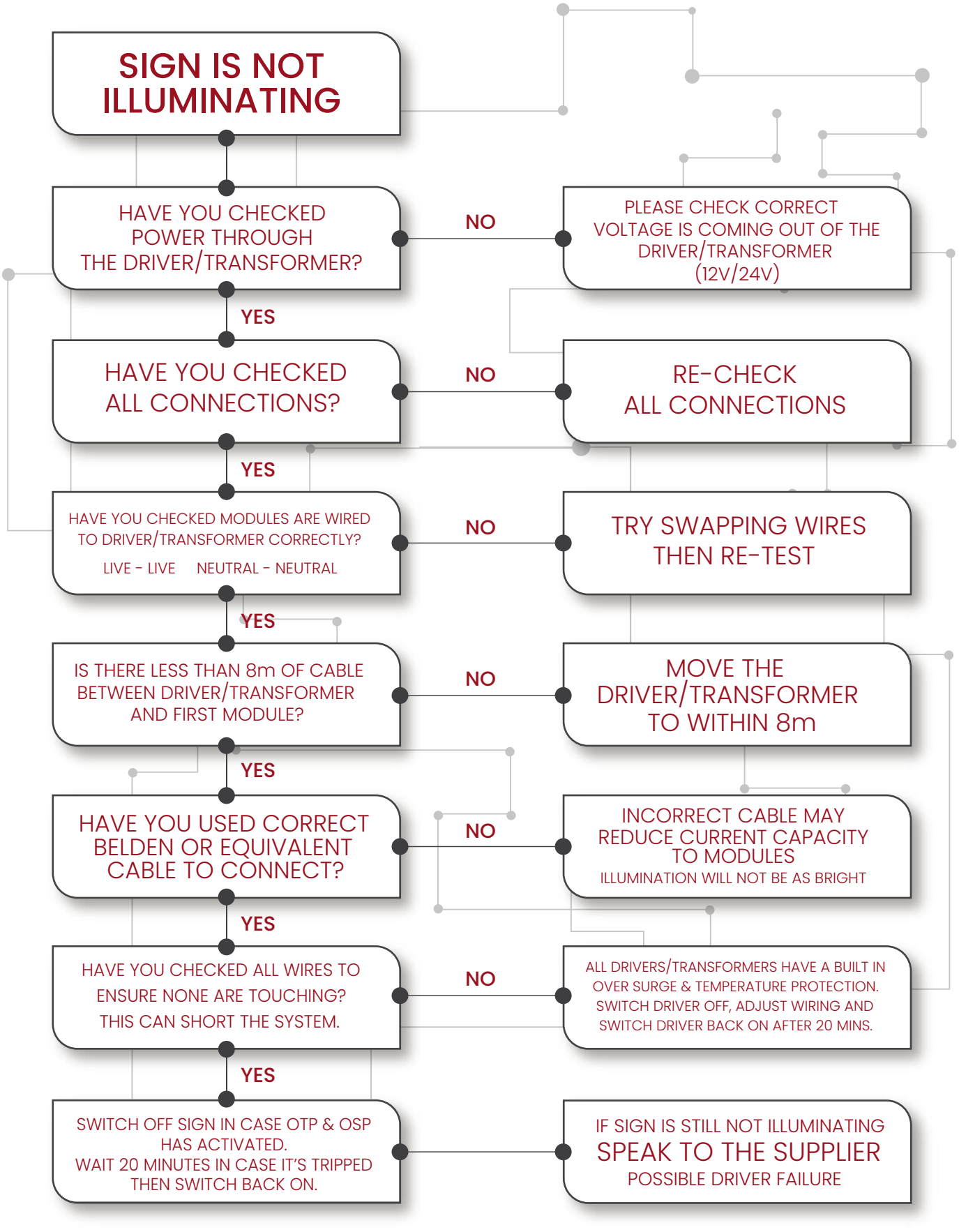
TROUBLESHOOTING NOT ILLUMINATING

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SIGNAGE CONSULTANCY



* ALL MODULES HAVE THROUGH WIRE TECHNOLOGY
SO FAULTS ARE UNLIKELY TO BE AN ISSUE WITH MODULES

TROUBLESHOOTING FLASHING MODULES

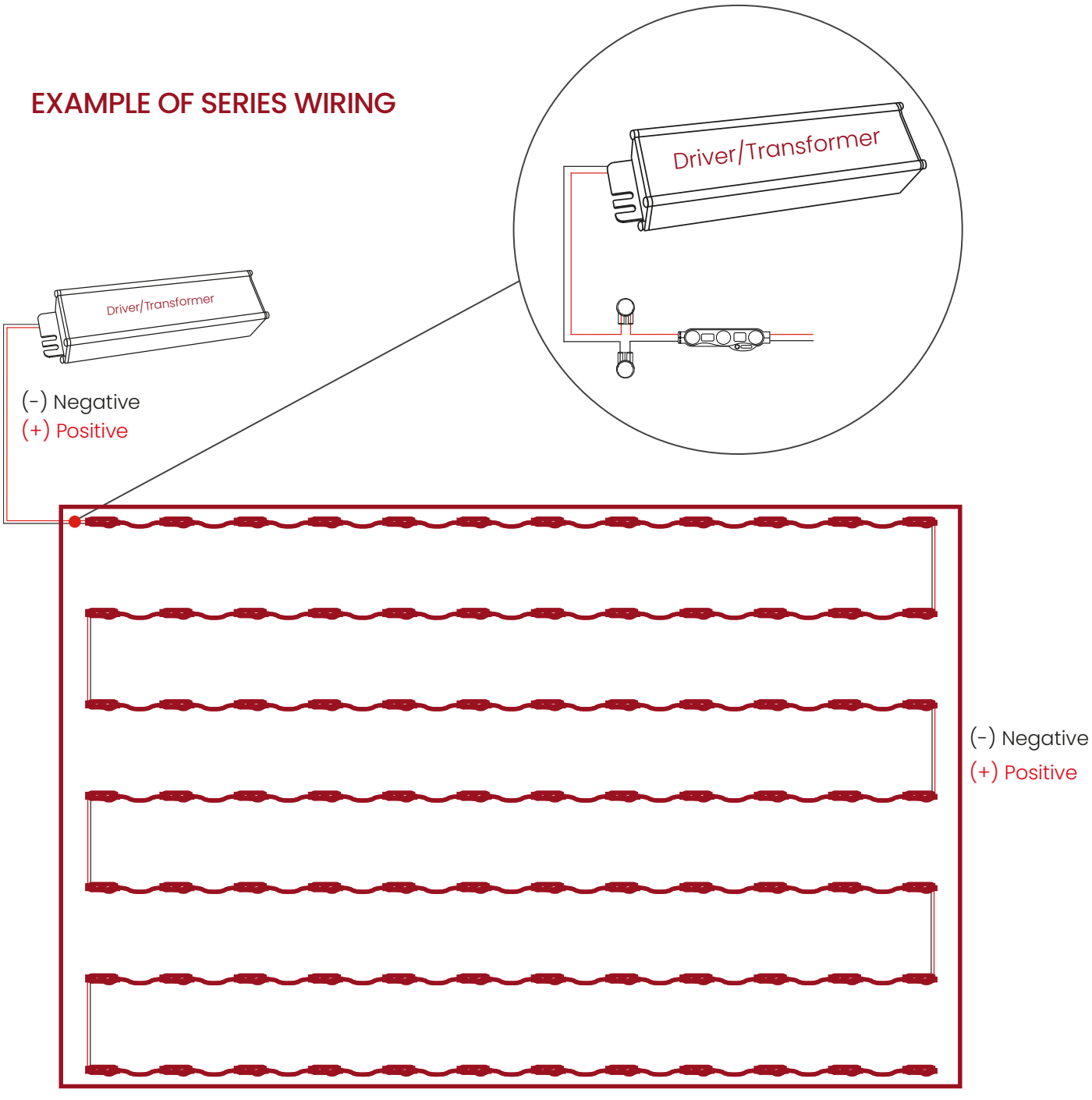


SERIES WIRING

Series wiring is the method of creating a circuit where all LED components share the same positive (+) and negative (-) feed from the driver/transformer. This is a perfectly acceptable way of wiring your sign if you keep within the supplier guidelines with regard to the number of modules which can be illuminated in one string.

If this amount is exceeded then voltage drop will occur leading to illumination issues.

EXAMPLE OF SERIES WIRING



PARALLEL WIRING

Parallel wiring is an ideal way to eliminate voltage drop across your LED circuit.
This is achieved by ensuring all strings of modules receive their own positive (+) and negative (-) feed from the driver/transformer.
Voltage drop occurs when too many modules are powered in series, causing the total resistance to equal the sum of the resistors. The more modules you add, the greater the voltage drop will be.

Too many modules illuminated in one string (series) increases the amount of resistance resulting in the last module being duller than the first in the string. Eliminating voltage drop is not the only benefit of parallel wiring, as each string has it's own path to the power source, if any single string was to encounter problems, all other modules would still continue to illuminate.

EXAMPLE OF PARALLEL WIRING

