

# TUNEWELL FLUORESCENT BALLASTS

Tunewell Transformers Limited are pleased to announce its latest innovation the Insignia “High Energy Instant Start” Electronic Ballast range, which automatically senses when a lamp fails and will switch to a “stand by” lamp, giving the end user, double the life and half the maintenance cost.



## Insignia 100 Range:

The insignia 100 range, will power all T8 and T5 HE fluorescent tubes. Designed specifically for the outdoor sign market, they have overcome all of the problems associated with High Frequency fluorescent installations:

- All Insignia 100 units are rated at IP65 in accordance to the standard IEC 60529. (Remember units rated at IP20 are not satisfactory for outdoor use and failure outdoors due to water ingress will invalidate most ballast manufacturer's guarantee).
- Ballast life - Temperatures from -20/+50°C, with transient temperatures in excess of 70°C.
- Lamp life – Lamp ignition. The Insignia 100 has a very high energized instant start ignition process, ensuring a long lamp life.
- Lamp life – ALR. The lamps are wired up by a single wire in series. A “stand by” lamp can then be wired in parallel. When the lamp in series fails to strike, the Insignia senses the failure and will in turn strike the “stand by” lamp.
- Multiple lamps - The insignia 100 range can power multiples of lamps, for example it can run 8 x 18W T8 2ft (4 in “stand by” mode) or 10 x 14W T5 550mm (5 in “stand by” mode).



## Insignia 200 Range:

The insignia 200 range will power all T8 and some T5 HE fluorescent tubes.

- Ballast life - Temperatures from -20/+50°C, with transient temperatures in excess of 70°C.
- Lamp life – Lamp ignition. The Insignia 200 has a very high energized instant start ignition process, ensuring a long lamp life.
- Lamp life – ALR. The lamps are wired up by a single wire in series. A “stand by” lamp can then be wired in parallel. When the lamp in series fails to strike, the Insignia senses the failure and will in turn strike the “stand by” lamp.
- Multiple lamps - The insignia 200 range can power multiples of lamps, for example the A31 can run 5 x 36W T8 4ft (+5 in “stand by” mode).

