

TUNEWELL NEON CONVERTORS



A range of efficient and reliable electronic ballasts designed specifically for illuminated signs, based on over 75 years experience in the industry. Insignia products from Tunewell meet the major application requirements for neon, cold cathode and fluorescent illuminated signs, from Point of Sale through to major flexible fascias.

For Neon & Cold Cathode lamps there are 3 units:

INS-8-25A

For all Indoor Applications

Reduced stocking and simplified retrofit One insignia 8/25 drives 0-8kV @ 25mA.

Mount anywhere: The only fully potted, metal cased electronic unit available. Can be mounted directly to metal surfaces.

Pre-wire and Pre-test signs: So small and lightweight, it can be incorporated into the sign itself. Ideal for point of sale signs.

High power factor: No correction needed, so the input current can be measured easily to assess the units loading. (400mA input current represents 100% tube loading).

Built in ground fault and open circuit protection: Suitable for flashing (but **not** dimming).

Exceptional design life: Novel design eliminates the short-lived components of others, permitting continuous ambient temperature operation. TA = 50°C with transients of 70°C allowed.

INS-4-50A

For all Outdoor Applications

Reduced stocking and simplified retrofit: One insignia 4/50 drives 0-4kV @ 50mA

Mount anywhere: The only fully potted, metal cased electronic unit available. Can be mounted directly to metal surfaces and is suitable for direct exposure to the elements. Rain, UV and heat. IP65 rating.

Pre-wire and Pre-test signs: So small and lightweight, it can be incorporated into the sign itself. Ideal for channel letters, sign boxes and projecting signs.

High power factor: No correction needed, so the input current can be measured easily to assess the units loading. (400mA input current represents 100% tube loading).

Built in ground fault and open circuit protection: Suitable for slow flashing (>1 sec.)

Exceptional design life: Novel design eliminates the short-lived components of others, permitting continuous ambient temperatures ranging from -20° to +50°C, with transients of 70°C allowed.

INS-I-A20CC

For all Cold Cathode Applications

The Insignia INS-I-A20CC electronic convertor will solve all your cold cathode issues and help you conform to the new lighting regulations.

High Lumen Efficiency - will operate a triphosphor lamp (25mm Warm White @ 200mA) at 75 lumens per watt.

Exceptional Life Span - said to be over 100,000 hours.

Very High Temperature Capability - -20/+50°C, with transient temperatures in excess of 70°C.

IP65 Rating / Zone B Transient Rating / High Power Factor corrected

Safer Output - Transformer coupled output ensures no direct connection with mains, substantially reducing electric shock hazard. The Insignia 100 range fully incorporates open circuit detection circuitry. If a lamp is broken the insignia will sense the break and remove all output power. Unlike other electronic ballasts the Insignia INS-I-A20 is completely unaffected by being mounted onto metal or near other lamps.