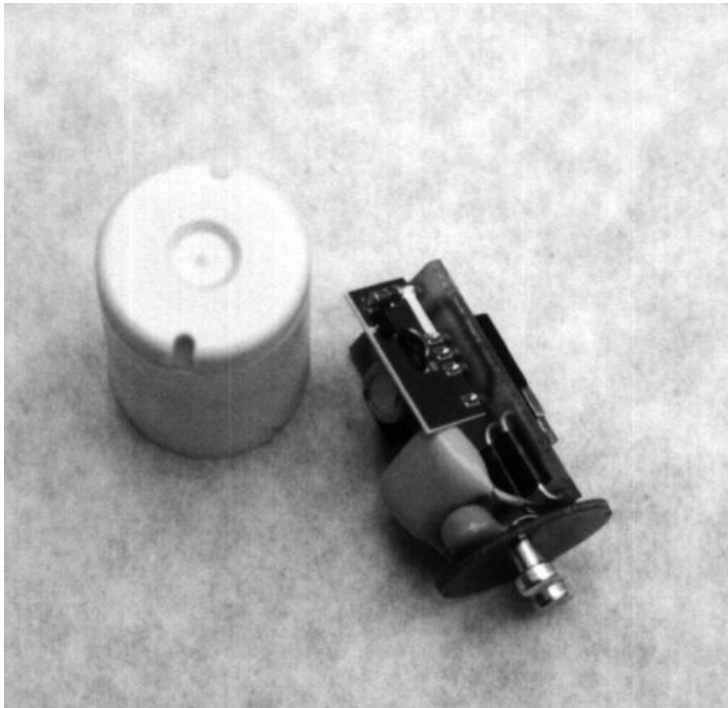


UNIVERSAL ELECTRONIC STARTER

For fluorescent lamps with heating filaments



Characteristics:

Description: ST 2000-U Universal Electronic Starter

Light source: FL 8-65W,
inductive, capacitive,
single, tandem

Application: Lightning

Power: 230V/50Hz

Price: low-cost

Special: Flicker-free soft start with preheating of the electrodes. No repetitive start attempts at the end of tube life. Ready for operation again after tube replacement. Is equipped with interference suppression capacitor.

Description

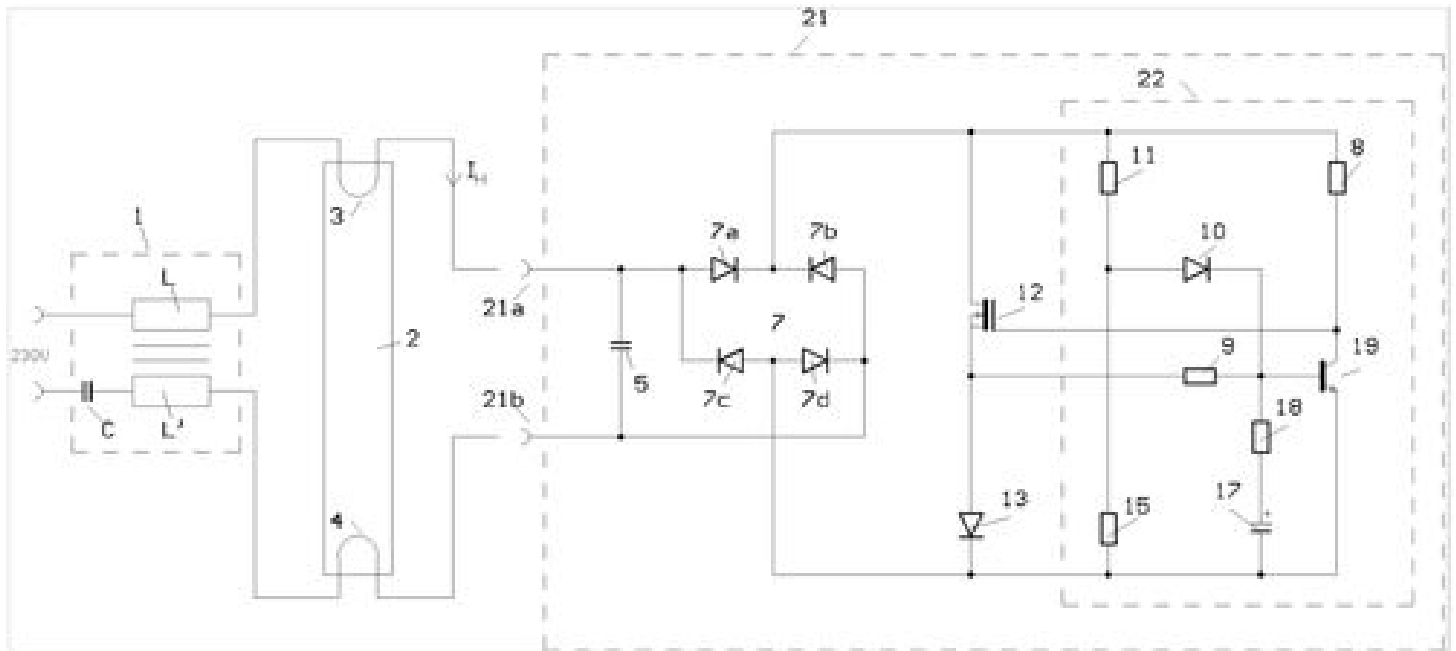
The advanced electronic design results in a smooth, flicker-free start and enables lamps to survive for a much longer time unlike ordinary starters. Multiple ignition after a sufficient preheat time makes sure that lamps goes on even if several lamps are connected in parallel.

Characteristics

- Fully replaces ordinary **2-pole glow-starter**.
- Never needs replacing.
- Preheat-time typ. 2.3 sec.
- Lamp wattage range **4W - 65W, single, series** (Tandem).
- Suited for inductive-, inductive-low-loss- ballasts
as well as for capacitive-, and capacitive-low-loss- ballasts.
- Voltage range: single 195V - 245V, series 110V.
- Temperature range: -20°C - +70°C.
- **Auto shut-off** feature.
- Reactivation after current brake or lamp exchange: immediately.
- **Important life time extension** of up to 500%.
- Important **reduction** of **maintenance costs** and of **pollution**.
- With **interference suppression capacitor**.

Especially suited for kitchen and bath

Circuit diagram:



Overall circuit with detailed electronic universal starter diagram (21).