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ELECTRIC INSTALLATION FOR DENTAL MEDICAL UNITS AIR DESINFECTION

The invention refers to an installation for air disinfection for dental medical units like a way for completion the cleaning and chemical disinfection measured in 10 minutes time of functioning.

The technical problem which the invention resolves, is the obtaining a fixed electric installation for air disinfection in dental medical units and it's incorporated in the general lighting installation, the commanding of the installation is made by a return press button, a general programming watch and a programming reel from the distance, which uses a telephone network (wired/GSM).

The electric Installation for dental medical units air disinfection is made from a light bulb with a mirror lens, performance electronic ballasts and fluorescent lights with a color rendering index $Ra=94$ and color temperature of 5200K, between this is positioned a germicidal lamp UV-C with wavelength of 253.7nm and UV-C radiation of 15.0W. The fluorescent lights are used for general lighting and the germicidal lamp is used for disinfection the space destined for dental medical unit.

The installation's command made optionally by a return press button, a general programming watch and a programming reel from distance which uses a telephone network (wired/GSM).

The invention's advantages are:

1. Lower costs for production because the disinfection lamp is incorporated in the general lighting lamp;
2. The installation disinfects the air in 10 minutes time with the condition that the general lighting system has to be designed and built as required in terms of the lighting regulations;
3. Each hour monitoring germicidal lamp operating time required for installation's efficient maintenance;
4. The installation's possibility of scheduling the operation;
5. The possibility to connect the disinfected air and the remote ordering system through GSM network and telephone;
6. The energy efficiency through lower power consumption;
7. The safe operation of air disinfection facility;
8. The electrical control's simplicity;
9. The simple maintenance by cleaning or replacing the lamps dust when the number of operating hours expires.