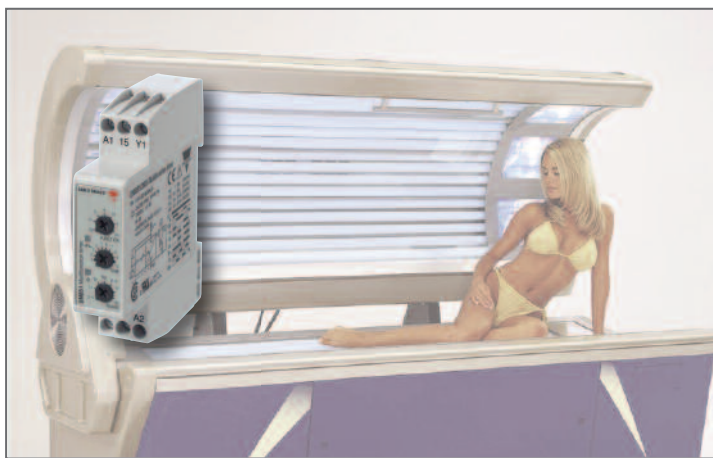


CG APPLICATIONS

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Application Note : April 12th 2007

Market involved : Other

Product : DMB51CM24

Customer : ---

Subject : Tanning Beds

CUSTOMER ISSUE :

Anybody who has a tanning service wants to get tanned without burning the skin.

There is a thin border line between tan and burn and this is mainly a question of time.

An electro-mechanical timer is set by the user according to the desired tanning time. If the timer fails, we need a rescue device to be sure to turn off the lamps anyway after the maximum tanning time and avoid skin burns to the user.

On the other hand, when the lamps are turned off we want the cooling fan to run a bit more until lamps are OK.

OUR SOLUTION:

On one side the maximum lamps time can be selected using DMB51CM24, which is used to ensure to turn off the lamps after tanning bed time selecting "Interval" function.

On the other side the working time of the fan can be set using the same type of timer choosing "Delay on release", which is used to keep the fan ON for bed cooling, for the selected delay time.

ACHIEVED BENEFITS:

- To be sure to turn off the lamp after the safe period
- Avoid lamps overheating
- The timers are of small size and don't impact on the size of the tanning bed

