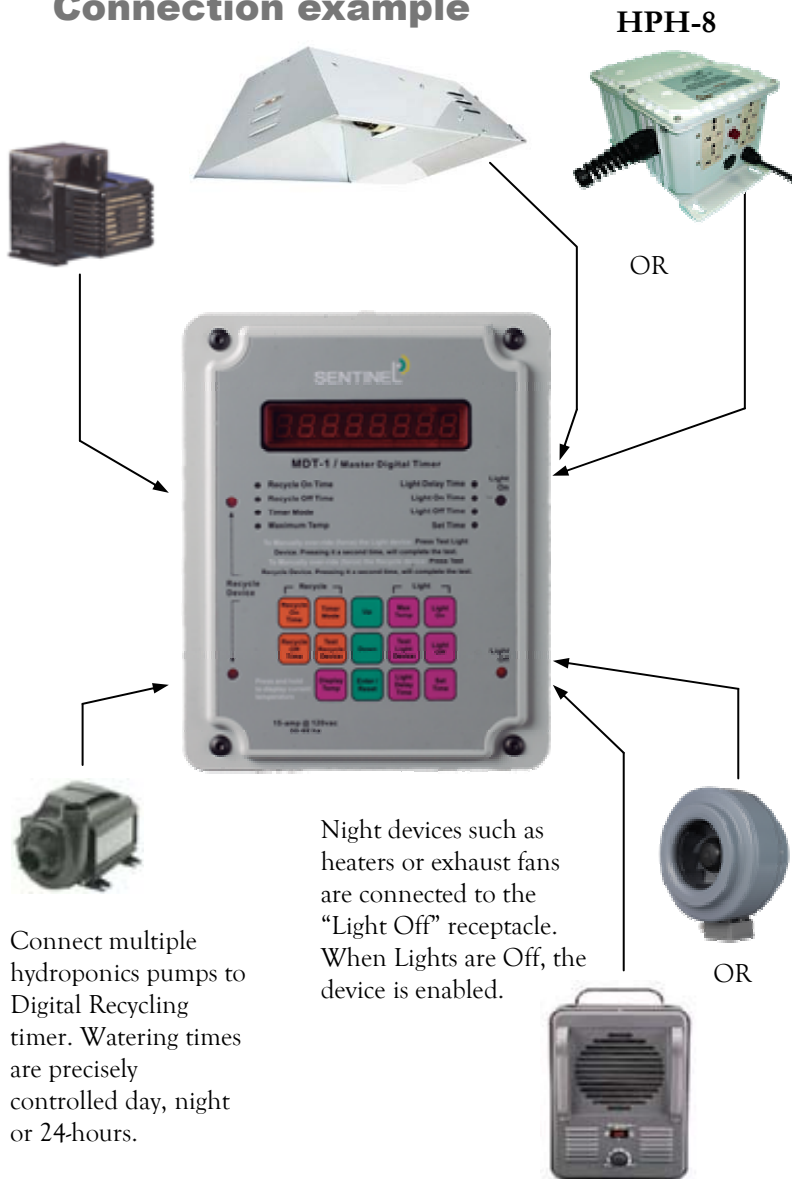


The MDT-1 combines the function of the DRT-1 with the ability to also control the photoperiod of your garden's HID lighting. We have also built-in some important safety features including:

- 1) Hi-temperature protection will disable the HID lights if the temperature inside the growing area exceeds the maximum level set by the user.
- 2) Hot-start prevention monitors the incoming power and will disable the HID in the event of a power failure. After an adjustable time delay, the HID lamps are permitted to restart.

Connection example



Connect multiple hydroponics pumps to Digital Recycling timer. Watering times are precisely controlled day, night or 24-hours.

Night devices such as heaters or exhaust fans are connected to the "Light Off" receptacle. When Lights are Off, the device is enabled.

HPH-8

Connect up to 1200 watts of HID lighting directly to the MDT-1 OR use 1 or more HPH-4 or HPH-8 to be able to operate as many HID lights as you need.

The Master Digital Timer combines the two main timing functions required for hydroponics into ONE convenient package. It combines the function of the DRT-1 recycling timer with an advanced method of SAFELY controlling HID lights. The second timer function is designed to operate like a standard 24-hour timeclock to control the plant's photoperiod. What sets it apart from other timeclocks, is the built in functions like "Hot-start" prevention logic which starts after a power failure. This function will prevent the HID lamps from re-firing until they properly cool. It also has a built-in temperature sensor that allows the user to set a maximum temp that the area can get to. In the event of a cooling failure, the temperature will rise to unsafe levels. The MDT-1 will automatically shut down the lights to prevent disastrous overheating. The MDT-1 adds two receptacles to the DRT-1. One receptacle controls lights (Daytime) another one can control Night devices like dehumidifiers.

