CAR PRE-HEATER (ELECTRICAL HEATER AND NOT THE AFTERMARKET ONE):

1. Connected to power output provided in cars.
2. Mechanical switches not electrical as u r not there to physically turn them on.
3. We could have gone for a remote start but its installed aftermarket and also not an option for many and also it costs a lot of fuel while the engine is running and we know that fuel is expensive these days. It may also be responsible for unwanted pollution.
4. We can also pre heat the car seats. But that tech is already in foreign market.
5. We can go with 2 things:

* It is observed that car engines are turned on to reduce the load on the car heater. What if we made something which might take a bit longer to heat up the inside of the car but we can do that without turning on the ignition hence saving fuel and maintaining a constant elec. supply from the car battery to the car heater. That’s where this kind of device comes in.

Working: Coolant absorbs the AC heat from the surrounding environment and car radiator coolant passed through neutral air and finally exits through vents.

* We separately get an electric heater and use our device to sense temp and adjust the intensity of heating accordingly and if it reaches a certain temp threshold defined by the user, we can also implement the idea of turning it off completely and cutting off the power supply. Therefore, we can save both the battery power and

fuel.

AIR CONDITIONERS (CENTRALIZED ACs AND CAR ACs):

1. At a place which can maintain a constant temperature which does not require cooling or heating. In that case, first ac fans start and as the user demands, we can further control fan speed and cooling mode and heating mode respectively.
2. For places with higher temperatures, we can get user input for the temp he wants prior to him entering the environment. As this goes along, instead of the fans turning on in the above case we can implement to directly increase the fan speed and set the mode to cool the room before the subject arrives in the environment.
3. For places with lower temperatures, we can alter the temperature as per user needs. Here, we can combine both the above cases as first we can bring up the fan which helps us in establishing an ideal room temperature at first like from 10 degree or lower room temperature to at least 25–27-degree room temperature. Then, if user permits to further increase the temperature through a conformation, we can aim to further increase the temperature >35 degrees or >40 degrees.
4. This was all discussed keeping a view a household environment. We can always take this a step further by implementing the same tech in places with centralized ACs like offices, banquet halls, etc. and most importantly in cars as we all at some point in their lives have experienced a time when we wish that someone could just go and turn ON the AC in the car because we might have to leave in few minutes and has been in SUN on a really hot day and we know that you don’t want to put your hands on that hot steering wheel or yourself on that really hot seat. Lucky for you, we might have a solution.
5. Suppose your car is really hot u put the AC at full fan speed and reduce the temp to 16. At some point we might feel like shivering and if u r the one who is driving it might be tough to make your way to instrument cluster with your hands and manually adjust the temperature. Some might think what’s a problem in that but a second away from road can range from a minor to a major accident. We get it your car has voice control but what if there is loud music or u have a trash mic. Are u convinced already or should we go further?

HEATERS (WATER HEATERS AND SNOWMELTERS):

1. You are asleep and remember that u r late for ur office. It’s a good day and u don’t wanna go unbathed. So u step into ur bathroom and turn on your geyser and now u have to wait and` what r the chances that when u step into the shower the water might be of adequate temperature(like not too hot or not too cold).That’s where we come in, select a favorable temperature and we will keep the water in the heater ready at that particular temperature when u r late so that u can easily hop in and out real smooth. Basically maintain a constant temp and reduce supply to coil and therefore increasing the lifeline of the coil.
2. We get it u have a problem with snow everywhere and how can u utilize it even if u aren’t facing water scarcity. Lucky for u we got ya covered, every1 might have hear abt snowmelters. If by chance u didn’t hear abt it lemme tell ya it is basically a self explanatory term it melt the fakin snow. Now it doesn’t know when there isn’t snow anymore and goes on heating which uses resources or in most cases it goes on heating the water till it boils.

We can definitely change that, we can set a stage where when snow goes to water form the melters stop. Or when water reaches a certain user defined temperature the melter stops.