Automated Plant Watering Device: Level 0

User input

Soil

Moisture

Automated Plant Watering Device

Water

Valve

Power,

120 VAC

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| *Module* | Automated Plant Watering Device |
| *Inputs* | Soil moisture: ?-?V  Power: 120V AC rms, 60 Hz |
| *Outputs* | Water valve: voltage controlled, 12V |
| *Functionality* | Provide water to plant. The length of time the valve is open is inversely proportional to the soil moisture. i.e., Lower moisture 🡪 more water |