Button functionality:

* SW2 changes the mode. Available modes are: Automatic and Manual.
* SW1 increases the target value.
* SW2 Decreases the target value.

Automatic mode:

The user provides a target pressure value which is automatically achieved by the system. The mode of operation is displayed with the letter A. Target pressure range is between 0 and 120pa. If the system does not reach the target pressure within 10 seconds, it produces an error message – which can be cleared by pressing any of the buttons.

Manual mode:

The user provides the fan speed based on the desired pressure. The mode of operation is displayed with the letter M. Fan speed ranges from 0-100, with 0 being OFF and 100 being the highest possible speed that can be achieved by the fan.

The wiring and flow of the project follows the instructions provided.