

LaundryPro

*Your time is precious.
Don't waste it waiting for
a laundry machine.*



A precisely calibrated accelerometer measures the movement of the washer or dryer to determine if it is running or open for your use.

A state of the line photoresistor senses when the machine door is open or closed, eliminating false positives.

An Ethernet shield sends the data in real time from the machines to a website personalized for your laundry room.

With 35 busy freshman for each laundry machine on campus, knowing when nearby machines are available would greatly save time.

Target market: Colleges and universities. Many students, all with busy schedules, need to do their laundry, and the laundry machines may be a long way from their rooms.

Is the door open?

YES

Photoresistor senses light, and Arduino reports the machine is in use and tests the movement once the door is closed again

NO

Is the machine being used?

NO

Screen reports the machine is available due to the lack of movement of the machine.

YES

Screen reports the machine is in use due to the vibrations during a washing or drying cycle



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