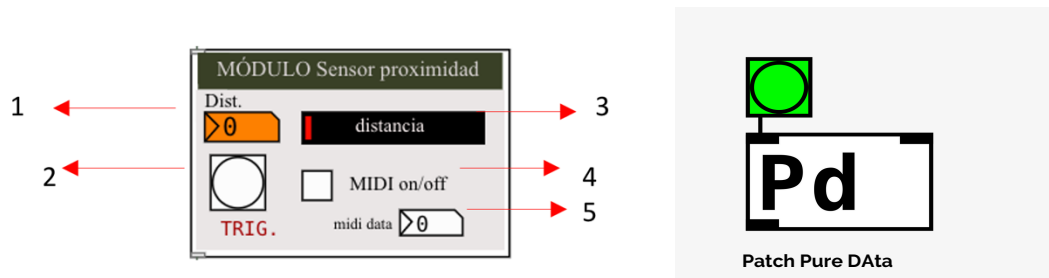**Patch Pure DAta**

PROXIMITY M.PROX
MODULE

Diseño y desarrollo de sistemas MMHCI híbridos con
bioseñales y un DMI de smartphones, para obras bio-
interactivas mixtas y performáticas

Pure Data Patches for the PhD Thesis: Juan Pablo posada Alvarez

Patch Pure DAta

1. **Dist:** Interaction with discrete values (5.0) by proximity detection.

2. **TRIG:** This display turns on when the proximity threshold is reached.

3. **Distance:** Another graphical display to see the limits and thresholds of proximity to the Smartphone. The slider will be on the right when an object activates the proximity sensor.

4. **MIDI ON/OFF:** This module is designed with a switch to turn the MIDI data stream on or off at the module's output. The objective is to avoid "triggers" of involuntary events when approaching the Smartphone Display

5. **MIDI data:** The MIDI value is displayed when the sensor is activated, while the sensor is covered, that is, with an object at a distance of less than 5 cm the data will send a value of 127 until the object passes the threshold of 5 cm, at this time the value of 1 is sent to the output.

The module is connected as follows:

- **Inlet:** Input for OSC module
- **Outlets 1:** Proximity Sensor MIDI Value Output