Multi-level float sensor

Behavior:

1. If bottom value – all ports return 0.
2. If max value – all ports return 1.
3. If value in the middle – lower ports return 1, upper ports return 0.

Controller calculates percentage for the current value.

Return value: Percentage.

**Sample usage:**

A float sensor with 5 possible values to measure current water level in a tank.

Tracking levels: 0%, 25%, 50%, 75%, 100%.

Possible return values:

* 1. Water level below 25% level: 0%;
  2. Water level between 25% and 50% level: 25%;
  3. Water level between 50% and 75% level: 50%;
  4. Water level between 75% and 100% level: 75%.
  5. Water level above 100% level: 100%;

**Parameters:**

Name: sensor name or ID.

Number of levels: number of float sensors connected to a board.

List of ports (must be synced with Number of levels): ports with connected sensors.