CLAIMS

1. An input device comprising:

a housing comprising an upper portion and a lower portion;

a key top provided at the upper portion;

a switch coupled to the key top;

a biasing element configured to provide a resistance, the biasing element comprising a first end and a second end, wherein the first end is coupled to the key top, and wherein the second end is coupled to the lower portion;

an adjustment mechanism configured to adjust the resistance of the biasing element by at least one of compressing or expanding the biasing element at the second end, in a direction at least substantially parallel to a distance between the upper portion and the lower portion;

wherein the second end is coupled to the lower portion via a lever member;

wherein the lever member comprises a joint at the lower portion, the lever member configured to rotate around the joint;

wherein the biasing element is attached to the lever member; and

wherein the lever member is coupled to the key top so that when the key top is depressed, the biasing element is depressed.

2. The input device of claim 1,

wherein the biasing element comprises a spring.

3. The input device of claim 1 or claim 2,

wherein the second end is surrounded by a threaded insert.

4. The input device of any one of claims 1-3,

wherein the second end is further coupled to the lower portion via the switch.

5. The input device of any one of claims 1-4,
wherein the adjustment mechanism is accessible via the lower portion.

6. The input device of any one of claims 1-5,
wherein the adjustment mechanism comprises a dial.

7. The input device of any one of claims 1-6,
wherein the adjustment mechanism comprises a sliding element.

8. The input device of any one of claims 1-7,
wherein the key top comprises a plunger.

9. The input device of claim 8,
wherein the plunger is configured to depress the switch.

10. The input device of any one of claims 1-9,
wherein the switch comprises a mechanical switch.

11. The input device of claim 10,
wherein the mechanical switch comprises a micro switch.

12. The input device of any one of claims 1-11,
wherein the adjustment mechanism comprises a screw.

13. The input device of claim 12,
wherein the second end is surrounded by a threaded insert configured to engage with the screw.

14. The input device of claim 12 or claim 13,
wherein the lower portion comprises a hole configured to expose the screw.

15. The input device of claim 7,

wherein the sliding element is slidable in a direction at least substantially perpendicular to a direction between the first end and the second end.