DISPENSER ASSEMBLY

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a divisional of Singapore Application No. 11202402270S having a filing date of 6 October 2022, which is the Singapore national phase stage of PCT Application No. PCT/IB2022/059577 having a filing date of 6 October 2022, and which claims priority to U.S. Application No. 17/496,173, filed on October 7, 2021, and entitled "Dispenser Assembly", each of the foregoing of which is incorporated herein by reference in its entirety.

BACKGROUND

Field of the Disclosure

[0002] The present disclosure relates to a dispenser assembly that utilizes a release device for a dispenser.

Description of the Background of the Disclosure

[0003] Dispensers are used in a wide variety of different environments, ranging from public bathrooms to offices, restaurants, and other public or private establishments.

[0004] Depending on the location of the dispenser, the considerations which go into choosing a given dispenser tend to vary. For example, in some locations, the primary consideration when choosing a dispenser may be ease of use, to enable maintenance staff to swiftly and efficiently refill the dispenser. However, in other locations, the primary consideration may be to provide a secure and tamper-proof dispenser to prevent stock from being accessed and removed by unauthorized personnel. For manufacturers, it is beneficial to provide a single dispenser unit that can be adapted to meet such requirements.

[0005] An example of a known release mechanism for a dispenser is described in U.S. Pat. No. 8,528,787, which discloses a cover that is movably coupled to a back-housing and secured with removable, mutually interchangeable inserts, including a key insert and a button insert. However, as will be appreciated, interchanging the various inserts of the dispenser in U.S. Pat. No. 8,528,787 can be time-consuming and renders them prone to becoming lost or discarded.

[0006] It is therefore the aim of the present disclosure to address or mitigate at least some of the issues encountered with known dispensers.

CLAIMS:

1. A dispenser, comprising:

a body coupled to a front panel to form an interior cavity, wherein the body includes a sidewall extending from a back portion,

wherein an opening is formed through the sidewall at a location spaced apart from the back portion, and

wherein a housing extends from the sidewall adjacent the opening and into the interior cavity; and

a lock that is configured to be received within the housing in a first orientation or a second orientation, the lock having a wall that is positioned within the opening in the second orientation, and wherein the wall includes a receptacle formed therethrough.

2. The dispenser of claim 1, wherein the lock includes a chamber that is configured to receive a latch of the front panel.

3. The dispenser of claim 2, wherein, in the second orientation, the wall of the lock is disposed substantially flush with the sidewall.

4. The dispenser of claim 3, wherein the latch of the front panel is configured to be deflected by insertion of a portion of a key through the receptacle.

5. The dispenser of claim 4, wherein the lock includes a plurality of projections that are configured to engage a plurality of apertures of the housing, such that the lock is prevented from movement relative to the housing.

6. The dispenser of claim 2, wherein the lock includes a button wall that is positioned within the opening in the first orientation.

7. The dispenser of claim 6, wherein, in the first orientation, the button wall is disposed substantially flush with the sidewall and the lock is configured to be depressed to deflect the latch.

8. The dispenser of claim 1, wherein the sidewall of the housing includes at least one transparent window and at least one translucent portion.

9. The dispenser of claim 1, wherein the lock is a unitary component.

10. A dispenser, comprising:

a body coupled to a front panel to form an interior cavity, wherein the body includes a sidewall extending from a back portion,

wherein an opening is formed through the sidewall at a location spaced apart from the back portion, and

wherein a housing extends from the sidewall adjacent the opening and into the interior cavity; and

a lock that is configured to be received within the housing in a first orientation or a second orientation, the lock having a wall that is positioned within the opening in the first orientation, wherein a latch carried by the front panel is configured to be positioned within the lock in the first orientation and the second orientation.

11. The dispenser of claim 10, wherein a first release feature is exposed through the opening in the first orientation and a second release feature is exposed through the opening in the second orientation.

12. The dispenser of claim 11, wherein the first release feature and the second release feature are configured to release the front panel from the body.

13. The dispenser of claim 12, wherein the first release feature is a button that is configured to be depressed into the housing.

14. The dispenser of claim 13, wherein the second release feature is a key receptacle that is configured to receive a key.

15. The dispenser of claim 10, wherein the lock is configured to be flipped over to transition between the first orientation and the second orientation.

16. A dispenser, comprising:

a body coupled to a front panel to form an interior cavity, wherein the body includes a sidewall extending from a back portion,

wherein an opening is formed through the sidewall at a location spaced apart from the back portion, and

wherein a housing extends from the sidewall adjacent the opening and into the interior cavity, the housing having a first rail and a second rail; and

a lock that is configured to be received within the housing in a first orientation or a second orientation, the lock having a first hook and a second hook,

wherein the first hook is configured to engage the first rail in the first orientation and the second hook is configured to engage the first rail in the second orientation.

17. The dispenser of claim 16, wherein the front panel is pivotable about a hinge between a closed position and an open position, the housing being located at an end of the dispenser that is opposite the hinge.

18. The dispenser of claim 17, wherein the first rail and the second rail of the housing are arranged coplanar with one another and extend from the housing in opposite directions relative to one another.

19. The dispenser of claim 18, wherein, when the lock is in the first orientation and the front panel is in the closed position, the lock is configured to be translated along the first rail and the second rail of the housing.

20. The dispenser of claim 18, wherein, when the lock is in the second orientation and the front panel is in the closed position, the lock is configured to be prevented from translation along the first rail and the second rail of the housing.