CLAIMS

1. A control interface for a conducted electrical weapon comprising:

an interface; and

an orientation control configured to enable the interface to rotate between a fixed position and a momentary position, wherein the momentary position is in a direction away from the fixed position, wherein in response to the interface being rotated into the momentary position the orientation control is configured to return the interface to the fixed position, wherein a first force applied on to the interface causes the interface to rotate into the momentary position, wherein a second force provided by the orientation control to the interface causes the interface to return to the fixed position, and wherein the first force is a different type of force from the second force.

2. The control interface of claim 1, further comprising:

a position indicator configured to indicate that the interface is rotated into the fixed position or the momentary position; and

a position reader configured to interface with the position indicator to determine whether the interface is rotated into the fixed position or the momentary position.

3. The control interface of claim 1, wherein the fixed position comprises a first fixed position and a second fixed position, wherein in response to the interface being rotated into the first fixed position the orientation control is configured to maintain the interface in the first fixed position, and wherein in response to the interface being rotated into the second fixed position the orientation control is configured to maintain the interface in the second fixed position.

4. The control interface of claim 1, wherein the momentary position comprises a first momentary position and a second momentary position, and wherein in response to the interface being rotated into the first momentary position or the second momentary position the orientation control is configured to return the interface to the fixed position.

5. The control interface of claim 1, wherein the fixed position comprises a first fixed position and a second fixed position, and wherein the momentary position comprises a first momentary position and a second momentary position.

6. The control interface of claim 5, wherein in response to the interface being rotated into the first momentary position the orientation control is configured to return the interface to the first fixed position.

7. The control interface of claim 5, wherein in response to the interface being rotated into the second momentary position the orientation control is configured to return the interface to the second fixed position.

8. The control interface of claim 5, wherein the first momentary position comprises a momentary down position relative to the first fixed position, and wherein the second momentary position comprises a momentary up position relative to the second fixed position.

9. A conducted electrical weapon ("CEW") comprising:

a housing;

a trigger configured to cause deployment of a projectile from the housing; and

a control interface coupled to the housing, wherein the control interface comprises:

an interface; and

an orientation control configured to enable the interface to operate into a fixed position and a momentary position, wherein in response to the interface being operated into the momentary position the orientation control is configured to return the interface to the fixed position, wherein a first force on the control interface causes the interface to operate into the momentary position, wherein a second force causes the interface to return to the fixed position, wherein the first force is different from the second force, wherein the first force is applied to the interface from an external source, and wherein the second force is applied to the interface from a component of the CEW.

10. The CEW of claim 9, wherein the momentary position comprises a first momentary position and a second momentary position, wherein the interface is operable from the fixed position into the first momentary position in a first direction, wherein the interface is operable from the fixed position into the second momentary position in a second direction, and wherein the first direction is different from the second direction.

11. The CEW of claim 9, further comprising:

a position indicator coupled to the orientation control, wherein the position indicator is configured to indicate that the interface is operated into the fixed position or the momentary position; and

a position reader configured to interface with the position indicator to determine whether the interface is operated into the fixed position or the momentary position.

12. The CEW of claim 11, wherein each of the interface, the orientation control, and the position indicator are coaxial.

13. The CEW of claim 9, wherein the orientation control comprises a stationary control and a translatable control, wherein a rotation of the interface rotates the translatable control, and wherein rotation of the translatable control causes the translatable control to engage with the stationary control to allow the interface to operate between the fixed position and the momentary position.

14. The CEW of claim 11, wherein the position indicator comprises an outer cam surface defining a contact surface having a first portion and a second portion, wherein a first rotation of the interface to the fixed position exposes the position reader to the first portion of the contact surface of the outer cam surface, and wherein a second rotation of the interface to the momentary position exposes the position reader to the second portion of the contact surface of the outer cam surface.

15. The CEW of claim 14, wherein the position reader comprises a sensor configured to interface with the contact surface of the outer cam surface to determine whether the interface is operated into the fixed position or the momentary position.

16. The CEW of claim 15, wherein the contact surface comprises an exposed conductive surface, and wherein the sensor electrically engages the contact surface to determine whether the interface is operated into the fixed position or the momentary position.

17. The control interface of claim 4, wherein the first momentary position is in a first direction away from the fixed position, wherein the second momentary position is in a second direction away from the fixed position, and wherein the first direction is different from the second direction.

18. The control interface of claim 1, wherein the second force comprises a biasing force.

19. The CEW of claim 9, wherein the interface is located external the housing, and wherein the orientation control is located internal the housing.

20. The CEW of claim 9, wherein the second force comprises a biasing force.