Claims

1. A locking device for retaining at least one adaptor received in an electrical power track housing, the locking device comprises a bolt moveable between a locked position and an unlocked position, and a connection member connected to the bolt, the connection member is adapted to be attached to the electrical power track housing and is disposed parallel to the bolt, wherein in the locked position the bolt engages a retention wall of the adaptor to retain the adaptor in the electrical power track housing, and in the unlocked position the bolt disengages the retention wall to allow release of the adaptor.

2. The locking device according to claim 1, wherein the bolt is elongate and adapted to retain a plurality of adaptors in the electrical power track housing.

3. The locking device according to any one of claim 1 or 2 further comprises a control means for moving the bolt between the locked position and the unlocked position, wherein the control means is a cam, the cam is adapted to rotate about an axis.

4. The locking device according to any one of the preceding claims, further comprises at least one strut, wherein the at least one strut connects the bolt and the connection member to allow movement of the bolt relative to the connection member.

5. The locking device according to any one of the preceding claims, wherein a surface of the bolt opposes a surface of the connection member, the opposing surfaces of the bolt and the connection member are corrugated and complementary to each other.

6. The locking device according to claim 5, wherein the bolt further comprises a projection to engage with a ridge of the electrical power track housing.

7. An electrical power track housing for receiving and maintaining electrical contact with at least one adaptor, the electrical power track housing comprises:

(a) an opening for receiving the adaptor;

(b) a slot extending from the opening into the housing;

(c) at least one channel extending from the slot;

(d) the at least one channel comprising an electrical conductor for engaging with a conductive member of the adaptor; and

(e) a locking device according to any one of claims 1 to 6.

8. The electrical power track housing according to claim 7, wherein the electrical power track housing is elongate, and the opening, the slot, and the at least one channel run longitudinally along a length of the elongate housing such that the housing provides electricity to the adaptor at any point along the length of the housing.

9. The electrical power track housing according to any one of claims 7 and 8, further comprises a cover for covering the opening.

10. The electrical power track housing according to claim 9, wherein the cover comprises a plurality of pairs of opposing panels, each pair of opposing panels are biased in a closed position by a resilient means and are pushed apart to an open position when the adaptor is inserted into the opening.

11. The electrical power track housing according to claim 10, further comprises first and second recesses adjacent the opening, the first recess extending from the slot towards a first side of the housing, the second recess extending from the slot towards a second side of the housing, wherein the first and second recesses oppose each other and accommodate the opposing panels such that the opposing panels slide into the respective recesses when the opposing panels are pushed apart to the open position for insertion of the adaptor into the housing.

12. The electrical power track housing according to any one of claims 7 to 11, wherein there are three channels extending from the slot, each of the electrical conductors in the

three channels are connected to a main AC supply to conduct live, earth, and neutral respectively.

13. The electrical power track housing according to any one of claims 7 to 12, wherein in the locked position the bolt is in the slot, and in the unlocked position the bolt is in a third recess.

14. The electrical power track housing according to claim 13, wherein the third recess is furthest from the opening.

15. The electrical power track housing according to any one of claims 13 or 14, further comprises a ridge in the third recess, wherein the ridge engages with a projection of the bolt.