WHAT IS CLAIMED IS:

1. A child safety seat for installing on a vehicle seat, characterized in that, the child safety seat comprises:

a base (10) having an anchor part (110) connectable to the vehicle seat;

a seat (20) coupled to the base;

a top rod (30) fixed to a rear of the base;

a tether assembly (40) comprising a top tether (410) and a tether fixing portion (450) that are connected with each other, the top tether being connected with the top rod, and the tether fixing portion being connectable with the vehicle seat;

an alarm device (50) comprising a switch (520) being triggered when the top tether is tightened;

a body part (510) that decides whether to give an alarm based on whether the switch is triggered, the switch (520) being electrically connected with the body part to provide a signal to the body part, and the body part is capable of deciding whether to give an alarm based on the signal; and

an alarm (530) for giving the alarm when the body part decides to give the alarm.

2. The child safety seat according to claim 1, characterized in that, the child safety seat further comprises:

a driver (60) comprising at least one trigger part (620) and at least one connecting part (610) connected with the top tether, the connecting part being connected with the trigger part, and the trigger part is capable of triggering at least one switch.

3. The child safety seat according to claim 2, characterized in that, the connecting part is disposed inside the top rod and is limited to be movable within a certain distance, and the trigger part is disposed on the base.

4. The child safety seat according to claim 3, characterized in that, the connecting part comprises a fixing member and a moving member, the moving member is formed with a through hole, the fixing member passes through the through hole and both ends of the fixing member are fixed to the top rod, and the through hole allows the moving member to move within a certain distance with respect to the fixing member.

5. The child safety seat according to claim 2, characterized in that,

an upper part of the top rod is provided with an opening (330), the top tether passes through the opening and is partially disposed inside the top rod;

the top rod comprises two vertical rods (310) symmetrically erected at the rear of the base; a transverse rod (320a) coupled to an upper part of each of the two vertical rods, a top end of each of the two vertical rods is provided with the opening, and two top tethers are partially disposed inside the top rod through the respective openings of the two vertical rods; and

the driver comprises two connecting parts, and the two top tethers are connected to the two connecting parts, respectively.

6. The child safety seat according to claim 2, characterized in that,

the connecting part is connected to the trigger part via a linkage;

the trigger part is limited to be movable in a certain distance range, and comprises an elastic restoring member which is disposed to exert a force tending to restore each of the trigger parts to a state not triggering a corresponding switch;

the trigger part responds to tightening of the top tether, and the trigger part is triggered by contacting with the corresponding switch.

7. The child safety seat according to claim 2, characterized in that,

the top rod comprises a vertical rod (310) erected at the rear of the base; and a transverse rod (320a) coupled to a top end of the vertical rod, an upper surface of the transverse rod being provided with an opening, and a lower surface of the transverse rod being provided with an accommodating portion (340),

the switch is disposed in the accommodating portion, an end of the top tether is fixed in the accommodating portion, and

when the top tether is tightened, a pressure is applied to trigger the switch, such that the switch provides a signal to the body part.

8. The child safety seat according to claim 7, characterized in that, the top tether surrounds the top rod and the trigger part, and when the top tether is tightened, a pressure is applied to the trigger part to move towards inside of the top rod so as to trigger the switch.

9. The child safety seat according to claim 1, characterized in that, the child safety seat further comprises:

a plurality of trigger parts respectively triggering their corresponding switches, such that the corresponding switches provide signals to the body part, an end of the top tether being connected to one of the trigger parts, and

the top rod comprises a vertical rod (310) centrally erected at the rear of the base; an accommodating portion (340) transversely disposed at a top end of the vertical rod, an upper surface of the accommodating portion is centrally provided with an opening, and the end of the top tether is located in the accommodating portion.

10. The child safety seat according to claim 9, characterized in that,

a length of the accommodating portion in a transverse direction is greater than a length of the vertical rod in the transverse direction;

the end of the top tether is provided with a blocking portion which cannot pass through the opening;

an inner space of the accommodating portion is provided to allow the end of the top tether to move a certain distance in a vertical direction; and

said one of the trigger parts is formed as a sheet, connected to the end of the top tether via a linkage, and formed with an elongated through hole.

11. A child safety seat for installing on a vehicle seat, characterized in that, the child safety seat comprises:

a base (10) having an anchor part (110) connectable to the vehicle seat;

a seat (20) coupled to the base;

a top rod (30) fixed to a rear of the base;

a tether assembly (40) comprising a top tether (410) and a tether fixing portion (450) that are connected with each other, the top tether being connected with the top rod, and the tether fixing portion being connectable with the vehicle seat; and

an alarm device (50) comprising a switch (520) being triggered when the top tether is tightened, wherein the alarm device is configured to:

give an alarm when the top tether is tightened and the anchor part is not fixed in place, or when the top tether is not tightened and the anchor part is fixed in place; and

give no alarm when the top tether is tightened and the anchor part is fixed in place, or when the top tether is not tightened and the anchor part is not fixed in place.