What is claimed is:

1. A method of controlling display screen statuses of a terminal, wherein the terminal comprises a display screen, a signal emitter, a first signal receiver, and a second signal receiver, and wherein a distance between the second signal receiver and the signal emitter is greater than a distance between the first signal receiver and the signal emitter, wherein the method comprises:

emitting, by the signal emitter, a detection signal;

receiving, by the second signal receiver, a reflection signal of the detection signal formed by an object;

determining a distance state between the terminal and the object based on intensity of the reflection signal that is received by the second signal receiver, comprising:

determining whether the intensity of the reflection signal that is received by the second signal receiver is less than a first low threshold;

receiving, by the first signal receiver, the reflection signal of the detection signal formed by the object, if the intensity of the reflection signal that is received by the second signal receiver is less than the first low threshold;

determining whether the intensity of the reflection signal received by the first signal receiver is greater than a first high threshold, wherein the first high threshold is greater than the first low threshold; and

determining that the distance state between the terminal and the object is at a distant state, if the intensity of the reflection signal received by the first signal receiver is greater than the first high threshold; and

controlling the display screen statuses based on the distance state, comprising:

turning on the display screen based on the distant state.

2. The method of controlling display screen statuses according to claim 1, wherein if the intensity of the reflection signal is less than the first low threshold, determining that the distance state between the terminal and the object is at the distant state further comprises:

modifying a low threshold of the first signal receiver to a second low threshold, if the intensity of the

reflection signal that is received by the first signal receiver is not greater than the first high threshold, wherein the second low threshold is less than the first high threshold;

determining whether the intensity of the reflection signal received by the first signal receiver is less than the second low threshold; and

receiving, by the first signal receiver and the second signal receiver, the reflection signal of the detection signal formed by the object once again, if the intensity of the reflection signal received by the first signal receiver is less than the second low threshold.

3. The method of controlling display screen statuses according to claim 1, wherein determining the distance state between the terminal and the object based on the intensity of the reflection signal that is received by the second signal receiver comprises:

determining whether the intensity of the reflection signal that is received by the second signal receiver is greater than a second high threshold; and

determining that the distance state between the terminal and the object is at a proximate state, wherein the proximate state defines that the intensity of the reflection signal is greater than the second high threshold;

wherein controlling the display screen statuses based on the distance states comprises:

turning off the display screen based on the proximate state.

4. An apparatus of controlling display screen statuses of a terminal, wherein the terminal comprises a display screen and a first signal receiver, wherein the apparatus comprises:

a signal emitter configured to emit a detection signal;

a second signal receiver configured to receive a reflection signal of the detection signal formed by an object;

a determination unit configured to determine a distance state between the terminal and the object based on intensity of the reflection signal that is received by the second signal receiver, wherein the determination unit comprises:

a determination sub-unit configured to determine whether the intensity of the reflection signal that is received by the second signal receiver is less than a first low threshold; and

a decision sub-unit configured to receive the reflection signal of the detection signal formed by the object, if the intensity of the reflection signal that is received by the second signal receiver is less than the first low threshold; determine whether the intensity of the reflection signal received by the first signal receiver is greater than a first high threshold, wherein the first high threshold is greater than the first low threshold; and determine that the distance state between the terminal and the object is at a distant state, wherein the distant state defines that the intensity of the reflection signal received by the first signal receiver is greater than the first high threshold; and

a control unit configured to control the display screen statuses based on the distance state, wherein the control unit is configured to turn on the display screen based on the distant state;

wherein a distance between the second signal receiver and the signal emitter is greater than a distance between the first signal receiver and the signal emitter.

5. The apparatus according to claim 4, wherein the decision sub-unit further is configured to:

modify a low threshold of the first signal receiver to a second low threshold, if the intensity of the reflection signal that is received by the first signal receiver is not greater than the first high threshold, wherein the second low threshold is less than the first high threshold;

determine whether the intensity of the reflection signal received by the first signal receiver is less than the second low threshold; and

receive the reflection signal of the detection signal formed by the object once again, if the intensity of the reflection signal received by the first signal receiver is less than the second low threshold.

6. The apparatus according to claim 4, wherein the apparatus further comprises:

the determination sub-unit configured to determine whether the intensity of the reflection signal that is received by the second signal receiver is greater than a second high threshold;

the decision sub-unit configured to determine that the distance state between the terminal and the object is at a proximate state, if the intensity of the reflection signal is greater than the second high threshold; and

the control unit configured to turn off the display screen based on the proximate state.

7. A terminal device, wherein the terminal device comprises:

a display screen;

a first signal receiver configured to receive a reflection signal of a detection signal formed by an object;

a signal emitter configured to emit a detection signal;

a second signal receiver configured to receive the reflection signal of the detection signal formed by the object;

a determination unit configured to determine the distance state between the terminal and the object based on intensity of the reflection signal that is received by the second signal receiver, wherein the determination unit comprises:

a determination sub-unit configured to determine whether the intensity of the reflection signal that is received by the second signal receiver is less than a first low threshold; and

a decision sub-unit configured to receive the reflection signal of the detection signal formed by the object, if the intensity of the reflection signal that is received by the second signal receiver is less than the first low threshold; determine whether the intensity of the reflection signal received by the first signal receiver is greater than a first high threshold, wherein the first high threshold is greater than the first low threshold; and determine that the distance state between the terminal and the object is at a distant state, wherein the distant state defines that the intensity of the reflection signal received by the first signal receiver is greater than the first high threshold; and

a control unit configured to control display screen statuses based on the distance state, wherein the control unit is configured to turn on the display screen based on the distant state;

wherein a distance between the second signal receiver and the signal emitter is greater than a distance between the first signal receiver and the signal emitter.

8. The terminal device according to claim 7, wherein the decision sub-unit further is configured to:

modify a low threshold of the first signal receiver to a second low threshold, if the intensity of the reflection signal that is received by the first signal receiver is not greater than the first high threshold, wherein

the second low threshold is less than the first high threshold;

determine whether the intensity of the reflection signal received by the first signal receiver is less than the second low threshold; and

receive the reflection signal of the detection signal formed by the object once again, if the intensity of the reflection signal received by the first signal receiver is less than the second low threshold.

9. The terminal device according to claim 7, wherein the terminal device further comprises:

the determination sub-unit configured to determine whether the intensity of the reflection signal that is received by the second signal receiver is greater than a second high threshold;

the decision sub-unit configured to determine that the distance state between the terminal and the object is at a proximate state, wherein the proximate state defines that the intensity of the reflection signal is greater than the second high threshold; and

the control unit configured to turn off the display screen based on the proximate state.