

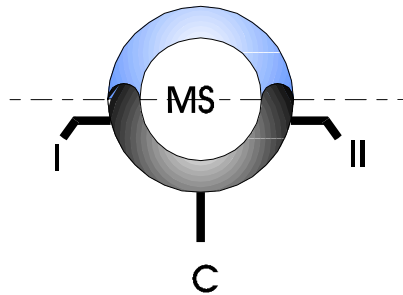
SKY MAN® INTERNATIONAL

The maximum inclination of a platform (with two ore more hoists) with the horizontal must be restricted to 14° by means of an automatic device. This can be done by an electrical device. When triggered, the device shall:

- on lifting, stop the upper hoist's motor
- on lowering, stop the lower hoist's motor

One anti-tilting device can be used for two hoist but it has a fixed angle of inclination. If you want to set your platform inclination angle less than 14° you have to use a Double anti-tilt device.

1. Using a Single (1) Anti-Tilting device.



With a single anti-tilting device the angle of the platform will be restricted in both directions to 14°. This is a fixed angle setting.

The anti-tilting device has 3 wire-leads (I , Common , II).

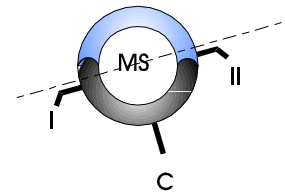
Wire I is connected to the control circuit “UP-direction” of the LEFT hoist and “DOWN-direction” of the RIGHT hoist.

Wire II is connected to the control circuit “DOWN-direction” of the LEFT hoist and “UP-direction” of the RIGHT hoist.

The Common wire (C) is connected to the Main lead of the control circuit.

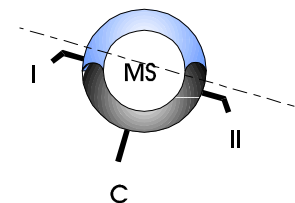
- a) Right hoist is running faster when ascending(lifting) or Left hoist goes faster when descending(lowering)

Wire II will be interrupted which will automatically will cut-off the power to the Left hoist when lowering or cut-off the power to the Right hoist when lifting



- a) Left hoist is running faster when ascending(lifting) or Right hoist goes faster when descending(lowering)

Wire I will be interrupted which will automatically will cut-off the power to the Right hoist when lowering or cut-off the power to the Left hoist when lifting



Fixing the anti-tilt device into the Central Control Box.

This device is tightened onto the CCB-panel with a screw in the centre of the round unit. By loosen the screw you can turn the device around it axis to set it level. When the device is set level the inclination of the platform in both direction will be the same (fixed angle of 14°).

If you want to have a smaller angle to cut off the hoist's movement you can use TWO device put in serie (see further)

2. Using a DOUBLE (2) Anti-Tilting device.

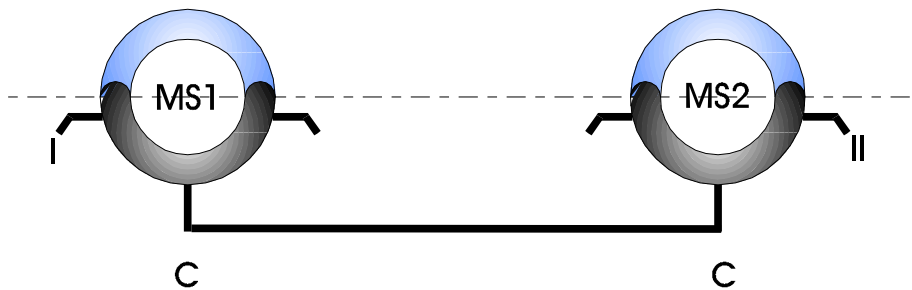
The same applies as for a Single Anti-tilt device but now you can set the inclination angle to the desired angle that you want. The inclination angle can be set by turning each device individually around its centre. The common leads of both devices have to be connected with each other. You will use only the wire I from MS1 and wire II from MS2.

Turning MS1 anti clock-wise will increase the inclination angle.

Turning MS1 clock-wise will decrease the inclination angle.

Turning MS2 anti clock-wise will decrease the inclination angle.

Turning MS2 clock-wise will increase the inclination angle.



Wire I is connected to the control circuit “UP-direction” of the LEFT hoist and “DOWN-direction” of the RIGHT hoist.

Wire II is connected to the control circuit “DOWN-direction” of the LEFT hoist and “UP-direction” of the RIGHT hoist.