

## **Technical guidelines for motionpc™**

### **Before installation, de-installation or troubleshooting**

- Stop the system
- Switch off the power supply and pull out the mains plug.
- Relieve the system of any loads, which may be released during the work.

### **Before start-up:**

- Make sure that the system has been installed as instructed.
- Make sure that the voltage at the control box is correct before the system is connected to the mains.
- System connection. The individual parts must be connected before the control box is connected to the mains.

### **During operation:**

- If the control box makes unusual noises or smells switch off the mains voltage immediately.
- Take care that the cables are not damaged.
- Unplug the mains cable on mobile equipment before it is moved.

### **Initialization of the system**

The system is initialized by pressing the down key once or twice and holding it down until legs run into end stop, it will then automatically run approx. 5 mm out again hereafter slowly running in again. Only release the down key when the movement has completely stopped.

If the key is released before the sequence is complete then the initialization is interrupted and must be started again from the beginning.

It is sometimes necessary to press the down key twice to start the initialization; this is because the system can be in different modes when the initialization starts.

If an error situation occurs at the end stop positions or the legs are changed, then the control box has to be reset by pressing the up and down keys simultaneously for a min. of 5 seconds, after which a new initialization sequence can be run.

### **Wiring connections for connection to an automation system**

The motionpc™ is always supplied with a manual control. This control must always be supplied even if the motionpc™ is connected to an automation system. The manual control is used when the system needs to be initialized if the mechanism loses its position. The manual control is also used as a backup.

If the motionpc™ is going to be connected to an automation system you will need to splice into the manual switch cable. There will be 3 wires, blue (common), Red (down) and green (up). To go up you need to momentary latch the green (up) wire to the blue (common) wire for about 1 second. The relay then needs to unlatch back to neutral. To go down you need to momentary latch the red (down) wire to the blue (common) wire for about 1 second. The relay then needs to unlatch back to neutral. If the system is going up or down and you want to reverse the direction you need to make sure the relay unlatches to neutral for about 1 second before it relatches again.