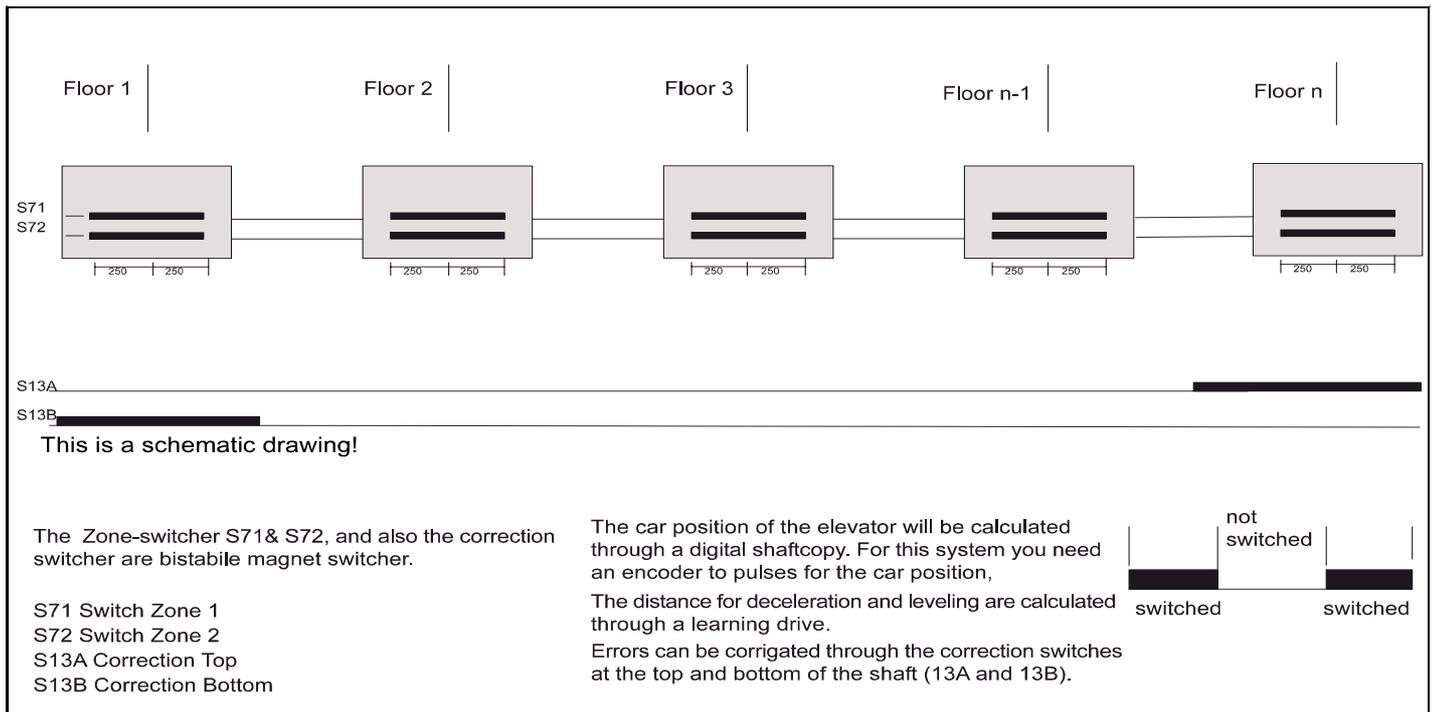


1.0 General

The relative-copy is a digital shaft-copy method, which only needs three switches in the shaft.

- S72** **Zone 1**
- S72** **Zone 2 (Only in case of releveling or pre-opening-doors)**
- S13A** **Correctionswitch Top**
- S13B** **Correctionswitch Bottom**

All magnet-switches are bipoosition-switches with the corresponding round-magnet. For the pinning of the magnets you must use the elevator-rail. The pulses for the shaft-copy are coming from a encoder. When Motor Copy is used, the incremental / absolute value / Resolver encoder of the engine is shared. Also, the Schmersal UPS system can serve as a source for the digital pulses.



2.0 Releveling

After the learn-drive the middle of the Zone-way is the value of the floor-level. This can be correct by the parameter "Leveling" for each floor. A change of the position of the zone-magnets is forbidden. A very concret description is in the chapter **I01-Activation of the digital shaft presentation**.

3.0 Deceleration and Correction switches

The deceleration for the drive into the destination-floor will be managed by digital shaft-copy. The correction switches are used only for synchronize shaft-copy-system and for a safe deceleration in end-floors in a emergency-situation, like a failure in digital shaft-copy

| Removal of the pre-limit switch to the final stops at an approximate stopping distance for a delay of 0,8 m/s ² | Maximum Speed |
|--|---------------|
| 800 mm | 0,50 m/s |
| 1000 mm | 0,63 m/s |
| 1400 mm | 1,00 m/s |
| 1800 mm | 1,20 m/s |
| 2300 mm | 1,60 m/s |
| 3000 mm | 2,00 m/s |

A change of the position of the correctionswitches-magnets is forbidden. A very concret description is in the chapter **I01- Activation of the digital shaft presentation**.

