

10. OPERATION OF THE SWITCH

The sequence for setting of the Switch is:

Code magnet operates.
 Vertical magnet operates.
 Vertical magnet releases.
 Code magnet releases.

Such a sequence must fit into a time schedule, that gives ample space for the different steps, and where regard not only has to be taken for the actual operating times with mechanical and electrical time constants but also for the safety elements, that must compensate for influence of temperature, wear and variation in voltage. This complete time schedule should then as far as possible way satisfy the need for high function speed.

Consequently, it is necessary to consider carefully the elements valid for the Code Switch, so that an optimum result is achieved. The Switch should therefore be operated as follows:

t_1 = hazard time operation
 t_2 = hazard time release

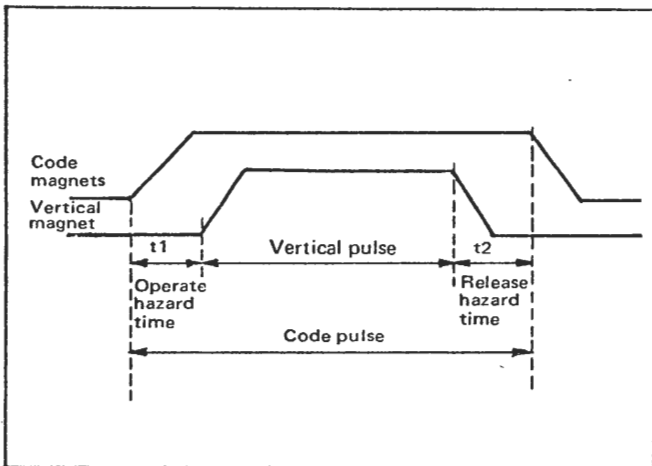


Fig. 22

Hazard times and pulse for vertical operation are dependent on voltage. The following are the minimum values allowed:

Voltage V	Ambient temperature °C	t_1 ms	Vertical pulse ms	t_2 ms	Code pulse ms
44	0	18	57	14	89
	25	19	61	14	94
	45	20	66	14	100
48	0	18	52	14	84
	25	19	55	14	88
	45	20	59	14	93
56	0	18	44	14	76
	25	19	46	14	79
	45	20	49	14	83

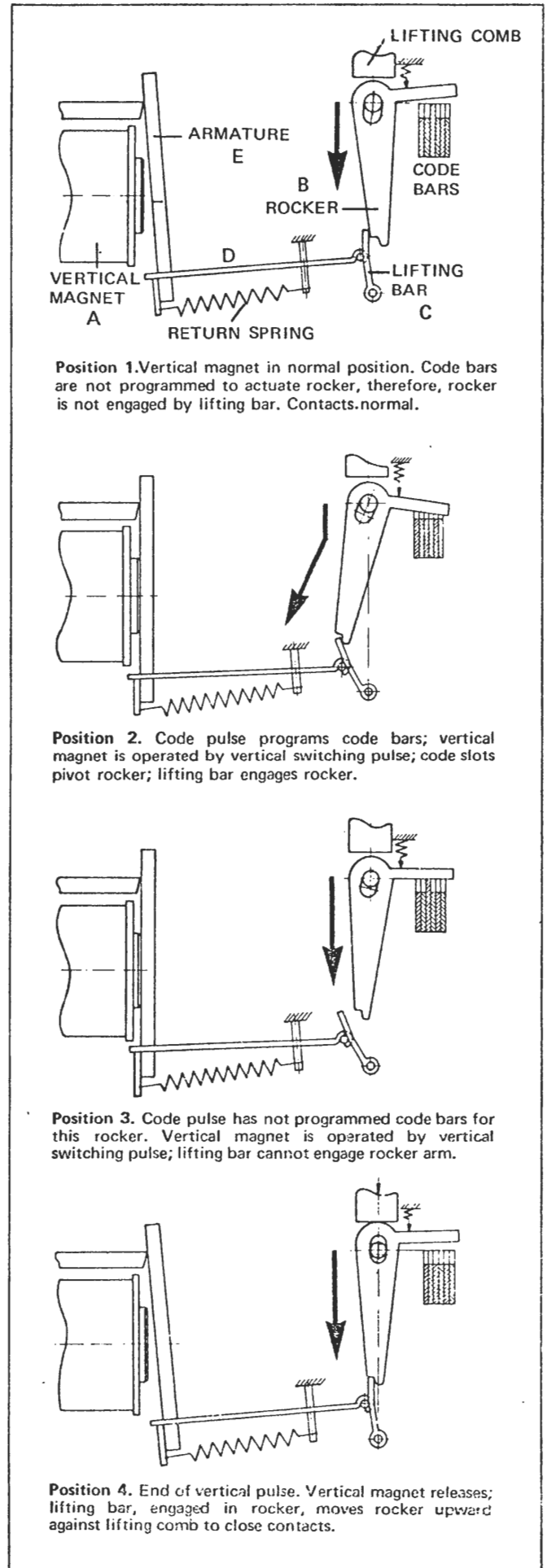


Fig. 23 Code Switch operation