

Interlocking layout of my 12SA lever frame

V.4.

		Route lever to "Left"				Point and signal levers													Route lever to "Right"				
		E1	E2	A1	A2	d	D	Fs II	C	WR 5	n/a	W 5	W 3/4	W 2	W 1	WR 1	Fs I	B	A	A1	A2	E1	E2
						E50	D50	e50	e25	d25	E50w	E50w	E50w	E50w	d25	e50	e25	d25					
from "Left"	E1 ₃	•	e	b	b	T ₆	┘ ₅	- ₄	X	+ ₂	+ ₁	+ ₁	/	/	/					/	b	b	b
	E2 ₃	e	•	b	b	T ₆	┘ ₅	- ₄	X	- ₂	- ₁	+ ₁	/	/	/					b	s	b	b
to "Left"	A1 ₂	b	b	•	e	X	X	X	┘ ₃	~	+ ₁	/	/	/	/					/	/	/	b
	A2 ₂	b	b	e	•	X	X	X	┘ ₃	~	- ₁	/	/	/	/					/	/	b	s
to "Right"	A1 ₂	/	b	/	/					/	/	+ ₁	/	+ ₁	~	X	┘ ₃	X		•	e	b	b
	A2 ₂	b	s	/	/					/	/	+ ₁	+ ₁	- ₁	~	X	┘ ₃	X		e	•	b	b
from "Right"	E1 ₃	b	b	/	b					/	/	+ ₁	+ ₁	+ ₁	+ ₂	- ₄	X	┘ ₅		b	b	•	e
	E2 ₃	b	b	b	s					/	/	+ ₁	+ ₁	- ₁	- ₂	- ₄	X	┘ ₅		b	b	e	•

- | | | | | | |
|--------|----------------------|---|--|---|---|
| E1, E2 | Incoming routes | • | Identical route | T | Distant signal clear |
| A1, A2 | Outgoing routes | e | Simple exclusion (by using the same route bar) | ┘ | Home signal clear for main route |
| W | Point levers | | | ┘ | Home signal clear for a diverging route |
| WR | Point lock levers | b | Special exclusion (special device) | ~ | Lever could be reversed, but point locks prevent this |
| A...D | Home signal levers | / | Not locked | + | Locked in normal position |
| d | Distant signal lever | s | Reversing signal to Clear is not possible | - | Locked in reversed position |
| Fs | Locking bar lever | X | | X | Locked because of another element that is itself locked |

Small numbers _{1 2 3...} Order of lever reversing for route setup

Types of levers with "stirrup handle" (my names)

- e50 Simple lever (movement of wires 500mm)
- e25 Simple lever (movement of wires 250mm)
- d25 Simple lever that can be reversed up or down from a central position, with retractable handle (movement of wires 250mm)

Types of levers with "straight handle" (my names)

- E50 Simple lever (movement of wires 500mm)
- E50w Simple lever for points which allows running the switch (500mm)
- D50 Double lever, which couples itself to chain wheel via handle release (movement of wires 500mm in each direction)