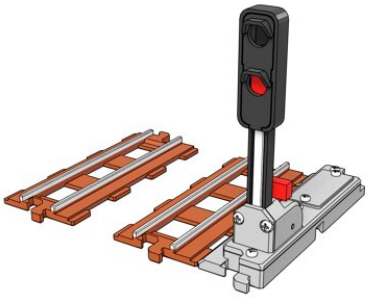
Railway light signal



Non-Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	1.75 mm filament piece	1	gray	Cut to length during assembly
2.	M2.2x6.5 screw (DIN 7981)	7	N/A	

3D Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	TIS01PS-post-slider.stl filament: ~2 g/part	1	white	Paint green, red, black (in this order; oil markers recommended)
2.	TIS01P-post.stl filament: ~4 g/part	1	black	
3.	TIS01PP-post-panel.stl filament: ~1 g/part	1	black	
4.	TIS01GW-gear-wheel.stl filament: ~1 g/part	1	red	
5.	TIS01SL-swicth-lever.stl filament: ~0.9 g/part	1	red	
6.	TIS01GCL-gear-case-L.stl filament: ~1 g/part	1	gray	
7.	TIS01GCR-gear-case-R.stl filament: ~1 g/part	1	gray	
8.	TIS01GCF-gear-case-F.stl filament: ~0.8 g/part	1	gray	
9.	TIS01B-base.stl filament: ~15 g/part	1	gray	
10.	TIS01S-sensor.stl filament: ~1 g/part	1	brown	
11.	TIS01SS-sensor-slider.stl filament: ~0.4 g/part	1	yellow	
12.	TIS01RS-reset-slider.stl filament: ~0.2 g/part	1	yellow	
13.	TIS01SSP-sensor-spring.stl filament: ~0.3 g/part	1	red	
14.	TIS01BC-base-cover.stl filament: ~2 g/part	1	gray	

No.	Part name	Quantity	Color (suggested)	Notes
15.	TRK01C-L100-straight-cn.stl filament: ~9 g/part	1	brown/silver	Variant part (track - choose one) Straight track with one connector, L=10 cm. Print with 25% infill
16.	TRK01C2-L100-straight-2cn.stl filament: ~9 g/part	1	brown/silver	Variant part (track - choose one) Straight track with two connectors, L=10 cm. Print with 25% infill
17.	TIS01IC-inspection-cover.stl filament: ~1 g/part	1	gray	
18.	TRK01-L100-straight.stl filament: ~8 g/part	As needed	brown/silver	10 cm straight track for length adjustment. Print with 25% infill

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

File Count Summary

Model Variants

- base model
  16 parts to print; filament use: ~40 g

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

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