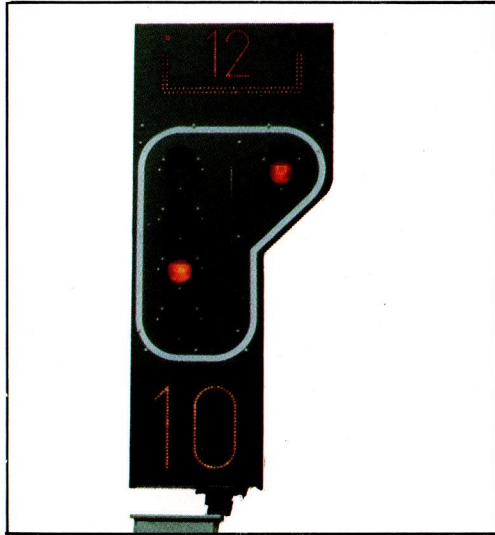


# DAY AND NIGHT RAIL SIGNALLING SYSTEM

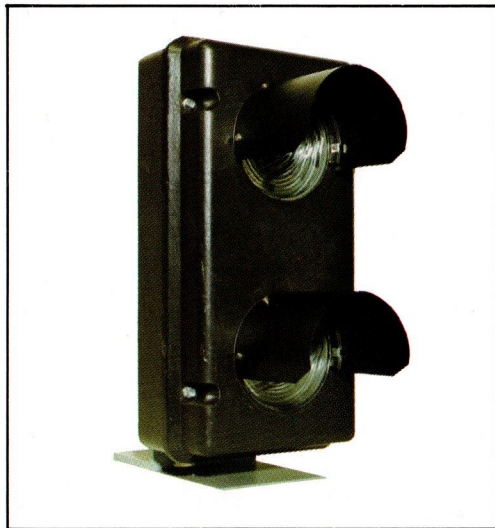
## COMBINED SIGNAL



Comprising:

- A lower support frame with optical fibre speed restricting signal (1 lamp).
- Five 160 mm dia. light-signalling units situated centrally between the white line, each fitted with a 7.2 V, 15 W lamp.
- An upper support frame with 2 different signals, equipped with 2 separate optical fibre beams (2 lamps).

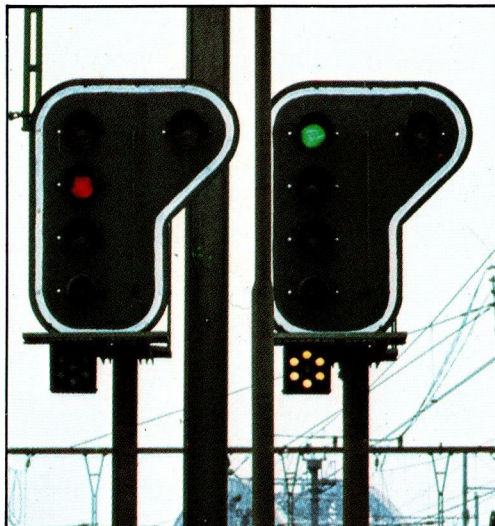
## GROUND-LEVEL SIGNAL



Ground-level signal composed of:

- Laminated polyester housing
- 2 135 mm dia. lenses. Used in formation yards.
- Dimensions: 470 x 250 x 160 mm.
- Weight: 6,5 kg.

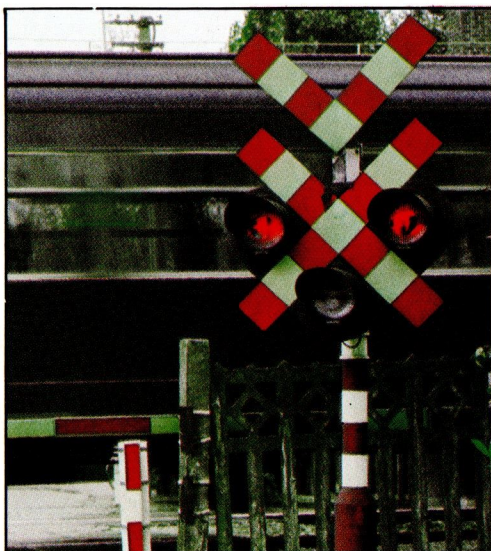
## LIGHT UNIT TO INDICATE THE RAILS



- Consists of a box and a door in reinforced polyester in which a double optic lens has been installed.
- The double lenses exist in diverse horizontale dispersions, 4° - 10° - 20° according to the local positions of the rails (straight or bending).
- A special type is available if the signal is put on a bridge over the rails. Then there will be installed a supplementary 3° lens on the outside in order to direct 50% of the rays of light to the rails below.
- A canopy has been installed on the front side of the light in order to safeguard the system against the sunbeams.
- Weight: 5 kgs.



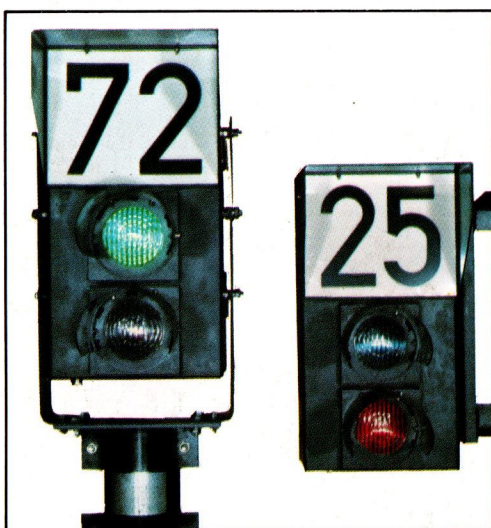
## SIGNAL FOR LEVEL CROSSING



Comprises:

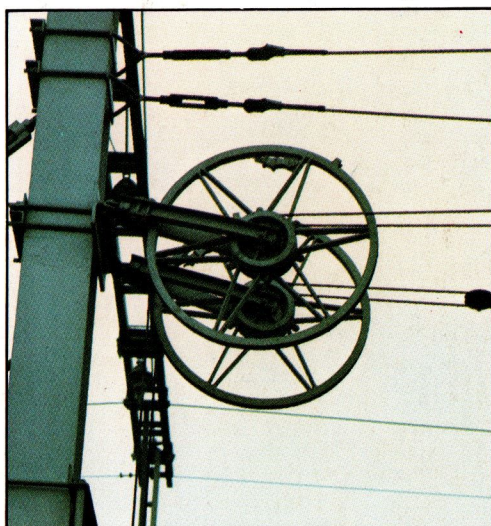
- Aluminium stake, partially taped with
  - reinforced polyester red in the mass
  - reflecting red-white film.
- Aluminium supporting frame, adjustable to all directions.
- Triangular board with St Andrew's cross of reinforced polyester (the cross is covered with a red-white reflecting film).
- 2 red lights and 1 white light with a lens diameter of 210 mm. The lights consist of a box in reinforced polyester.
- Twill (V) of reinforced polyester covered with a red-white reflecting film.
- Weight: the signal: 55 kgs  
the stake : 22 kgs  
the twill : 4 kgs

## LIGHT-SIGNALLING UNITS FOR UNDERGROUND RAILWAY



- These signals are designed to be fixed on a post or against a wall and are adjustable in every direction.
- They consist of black anodized aluminium support frame composed of:
  - 2 light signals with colour screen, according to need either single or
  - combined with speed indicator, i.e. with plexi-screen or optical glass fibres.

## STRETCHING DEVICE WITH COUNTER WEIGHT FOR LIVE WIRE



- Made of iron plate and profiles.
- Completely welded semi-automatically.
- Central spindle mounted on roller-bearings.
- Provided with a stretching cable.
- Designed for counterbalancing the shrinkage or extension of the live wire during winter or summer.
- Measures:  $\pm 1$  meter diameter.
- Weight: 68 kgs.

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