

Traffic Light System Multi-Signal 2.1

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Cost-efficient

with the best price-performance ratio

Bus prioritization

compatible with all common manual systems and VDV 09/16 (R09.xx / AVL)

Intuitive & flexible

thanks to user-friendly remote control, secure wireless and cable connections, and quartz mode



Characteristics

User-friendly

- Remote control with large, illuminated LCD display
- Pre-set programs (e.g. bottleneck, intersection) selectable directly via remote control
- Large program memory for custom configurations, enabling fast setup of recurring work zones

Smart

- Control of up to 8 signal heads with a single remote control
- Intelligent technology – automatic synchronization of the signal system ensures smooth traffic flow
- Automatic calculation of red and green times by entering site length and speed – saves time and prevents errors
- Prioritization of individual signals and manual phase time adjustments possible

Safe

- Radio and cable connection for interference-free operation – especially in mountainous terrain
- Manual frequency selection (3 approved frequencies) with range up to 2'500 m
- Guaranteed operation in case of communication failure via quartz mode fallback level
- Lockout against green/green display for maximum safety of workers and road users
- Integrated red light monitoring – yellow LEDs flash in emergency situations to continue securing the work zone

Technical data

Base:	Battery cart with batteries for ballast
Light source:	LED
Light color:	red, yellow, yellow
Power supply type:	Battery, fixed mains connection
Operating voltage:	11-15VDC
Connector type:	REMA power plug
Power consumption:	8W (radio), 7W (cable/quartz)
Operating time:	13d (with a 210Ah battery)
Night setback:	yes
Synchronisation:	Radio, cable, quartz backup (fallback) mode
Setup device:	Telescopic mast
Color:	black
Material:	Signal transmitter: PC Battery cart: hot-dip galvanized steel
Wireless technology:	FSK radio
Wireless range:	2'500m
Radio frequency:	173.250MHz, 173.275MHz, 173.350MHz
Radio power:	100mW/500mW
Remote control:	Cable with color LCD display



Optional

- **Precise and smart:** The Multi-Signal System 2.1 is optionally available with an integrated red time counter to display the remaining waiting time.
- **Sustainable and cost-efficient:** For autonomous operation, the light signal system can be equipped with a solar panel – reducing operating costs and protecting the environment.
- **Customizable and modular:** The Multi-Signal 2.1 can be equipped with specialized add-ons (sensors, actuators, special controllers, remote access, active push notifications) for tailored use – such as in rockfall zones, at railway crossings, or other specific scenarios.
- **Practical and convenient:** Flexible bus prioritization – either via manual switch or automatic triggering to ensure smooth and punctual passage.



FRIKE electronic AG
Signalstrasse 1, 8194 Hüntwangen
Switzerland
+41 44 869 23 44, info@frike.ch
www.frike.ch