



Summary:

Max Stages:
Monitor up to 8 stages / phases.

Max Signals:
17 signals + 1 REMOS unit.

Pedestrian Functionality:
Yes.

Compatibility:
SolarLight can also be used with REMOS.



Datasheet REMOS™

Key Benefits:

- **Improved Safety** - Reduces the risk of accidents, injuries and roadworker abuse by minimising the need for onsite operatives.
- **Cost & Labour Savings** – One operator can manage multiple sites simultaneous from a central, secure location, streamlining human resources costs – as well as costs associated with travel to site and vehicle wear and tear.
- **Environmental** – Greatly reduce the number of site visits as well as vastly reducing idling time for roadworkers.



For long term deployments, try REMOS SolarLight.

For more information about REMOS,
Visit srl.co.uk or call us on **0808 2818 775**.

PHYSICAL APPEARANCE	
Signal Head Configuration	Single Head Capability
Height	2320mm
Box Dimensions	465mm (H) x 700mm (W) x 860mm (D)
Overall	2320mm (H) x 700mm (W) x 1070mm (D)
Weight	84kg (exc. batteries) 153kg (inc. batteries)
Security	Four bullet locks and one T-bar lock as standard


POWER	
Battery Type	AGM
Run Time	5-7 Days
Battery Capacity	100 Ah per battery
No. of Batteries	3
Charge Time	8 hours
Operating Voltage	12v
Operating Current	8w

REMOS OPERATOR – RESPONSIBILITIES & COMPETENCIES	
Extent of Control	<p>Demanding a stage with the immediate shutdown of an active stage once the active stage has run its minimum green.</p> <p>The demanded stage will not run its starting amber until the local safety red time has run its timer.</p> <p>'All red' facility which is subject to local safety red times.</p> <p>Removing the REMOS manual operation will revert the signals to run local VA control dependent on site setup.</p>
Minimum Training Requirements	<p>Basic Introduction to Traffic Signals Course for REMOS™ Operators. IHE Approved, JCT Consultancy.</p> <p>NHSS 12D T7 Managers & Client Officers – LANTRA, UTS training.</p> <p>Comprehensive REMOS equipment and SRL Control Hub training.</p>

OPERATING MODES	
Default Mode of Operation	Multiphase ADS (Excluding pedestrian)
All Red	Yes, set up on site, only
Red Time Method	1 second increment changes
Adjustable Green Time	Yes, via SRL Control Hub. SRL's Control Centre can override max green time through manual control but cannot alter minimum green time or VA max timing
Adjustable Red Time	Yes, set up on site, only
Manual	Yes, set up on site, only
Fixed Time	Yes, set up on site, only
Day Programming	Yes, set up on site, only
Part Time Signalling	Yes, set up on site, only
Signal Dimming	Yes (Auto-dimming)
Compliance	REMOS adheres to the Department for Transport's statutory guidelines and industry standards (BS EN 50556, BS EN 12675, BS EN 12368, BS EN 50293)
IP Rating	56

REMOS CONTROL ROOM	
Hours of Operation	As required. Core hours 07:00 – 19:00
Location	SRL REMOS Centre, Radial Park, Birmingham Business Park, Solihull. B37 7WA
Operator Programme	SRL Control Hub, web-based browser
Room Security	Door access system for authorised personnel only
Primary Communication Network	Redundant, fibre-optic network for high-speed data transmission
Routing	Redundant routing with failover capabilities to ensure consistent connectivity to external networks
Switches	Managed switches with gigabit capability, Layer 3 with failover mechanisms for redundancy
Backup Communication Network	24-hour UPS (backup power), as well as a secondary line in case of fibre-optic network failure. The primary runs at 1Gbps speed, the secondary is 500mbps
Standby	Backup PC and all hardware in case of failure
Personnel	REMOS Supervisor omnipresent to support escalation / process support with REMOS Operators


REMOS SERVICE PROCESS	
1. ON BOARDING	<ul style="list-style-type: none"> Plans supplied and permit reviewed by REMOS team. Local Authority engagement to check and detail timing plans. Site survey form - start and end date, site moves, escalation, approval. RAM list to include SRL for timings, only. Control room operator assigned. Communications and timings checked.
2. SERVICE	<ul style="list-style-type: none"> Flexible service hours to fulfil permit requirements. Service Log. Service Report (automated audit trail). Escalations and Issue Log to Traffic Management.
3. OFF BOARDING	<ul style="list-style-type: none"> Scheduled end date in site survey. Collection confirmed by REMOS team and liaison with depots. Service decommissioned and control hub session terminated. Service report issued.



REMOS CAMERA	
Camera Position	Next to the radar detector to the top of the signal.
Security	UK surveillance camera commissioner's guidelines BS 7958:2015. HTTPS/ SRTP protocols compliance with section 889. NDA National Protective Security Authority.
GDPR Compliance	Streamed in real-time only.
Connectivity	Ability to stream in real-time. 99.5% multi-network SIM coverage.

Emissions Modelling

REMOS™ has the potential to greatly reduce our carbon footprint around traffic management. Indicative carbon emissions reduction of one operative removed from site for a full, working year.



Saving

3,564 kg CO2 per annum AND fewer Health & Safety incidents, with improved worker morale!



For more information about REMOS, Visit srl.co.uk or call us on **0808 2818 775**.

Scan the QR Code for more product details.