Evo® ACM

Introducing Evo ACM, the first portable traffic signal system to feature permanent signalling technology.

Evo ACM was conceived as a Eco-friendly upgrade to Evo Multi – with signal head, metal work and electronics all recycled, remanufactured and reused to create a new, modern signal. Traffic Group Signals offers customers the opportunity to trade-up their existing Evo Multi fleet with a range of upgrade options to suit all budgets and priorities.

Evo ACM marks a significant upgrade to the established Evo Multi product line, with enhanced security, greater comms reliability and a signal head facelift. The new 'dark mode' controller design improves readability, making Evo ACM easier to operate in low light.

More Efficient
Evo ACM features AutoGreen Technology and Smart VA, intelligent signalling technology that reduces congestion and emissions.

High Comms Reliability
The ultimate in wireless comms reliability with Active Channel Management technology.

More Secure
We have improved battery, post and controller security to help prevent theft and vandalism.

Eco-Friendly
Trade in your old signals to be upgraded to the latest tech and help us reduce environmental impact in the process.

Stronger Post
We have updated the post design to feature beefier gusset joints, improving signal longevity.

Radar Upgrade
Evo ACM boasts better detection thanks to the new AGD308 FMCW radar.

Dark Mode
The new Evo ACM controller range has a new high-contrast interface design, which improves readability in low light.

Fully Tested
No other signal manufacturer goes to the lengths we do to ensure safety, quality, compliance and performance in every product solution.

Micro

Evo® ACM

Performance Capabilities

Controller

	T2 +ACM	T5 +ACM	PT5 +ACM
Signalling Method	Phase-based		
Red Time Method	Clearance		
Max. Traffic Phases	2	5	5
Max. Pedestrian Phases	-	-	1
Max. Pedestrian Crossings	-	-	4
Max. Signal Heads	4	10	18
Max. Vehicle Heads	4	10	10
Max. Pedestrian Heads	-	-	8
Works with Traffic Signal	✅	✅	✅
Works with Ped Signal	✅	❌	✅

Displayed as Master controller capability, all controllers can function as Signals.

Operating Modes

- AutoGreen (2-way + ped)
- Smart VA (up to 5 phases)
- UTC (with UTC hire)
- Fixed Time
- Manual Control

Features

- Call All-red from any signal
- Run with Lights Off

Technical Specification

Power

No. of Batteries	2
Battery Technology	Deep Cycle VRLA (12V 105Ah)
Integrated Charger	No, features on-board charging port
Runtime on Single Charge	Up to 21 days
Signal Dimming	Integrated dimming for night-time operation
Controller Auto-sleep	✅

Radar & Radio

Detection Technology	AGD308 FMCW Smart Radar
Radar Power	<100mW eirp
Radar Frequency	24.150 to 24.250 GHz
System Range	5 to 500m subject to line of sight variations
Active Channel Management	✅
Antenna	Standard Whip

Physical & Security

Signal Head Options	Traffic, Pedestrian
Controller Options	T2 +ACM	T5 +ACM	PT5 +ACM
Finish	Galvanised or any RAL Colour
Handle	Integrated, folding
Footprint	600mm x 430mm
Physical Security	Fully integrated design
Client Specific Coding	No
Keyed alike option?	Yes
Total Weight with Batteries (Kg)	<80kg (0 batteries) <122kg (2 batteries)
Max Heads on an Unbraked Trailer	4

Environmental

Dry Heat (BS EN 60068-2-2:2007)	✅
Cold (BS EN 60068-2-1:2007)	✅
Damp Cyclic (BS EN 60068-2-30:2005)	✅
Drop (BS EN 60068-2-31:2008)	✅
Impact (BS EN 62262:2002 & BS EN 60068-2-75:2014)	✅
Random Vibration – Transportation (TR2130E Sect 5.1)	✅
Random Vibration – Operational (TR2130E Sect 5.2)	✅
Bump (BS EN 60068-2-64:2008)	✅
Shock (BS EN 60068-2-27:2009)	✅
Water Ingress (BS EN 60529:1992 + A2:2013)	✅
Drop and Topple (TR2130E & BS EN 60068-2-31:2008)	✅
Wind Tunnel Test	✅ ≤60mph

System Function

Compliance	TOPAS 2502, 2505, 2537, 2538
Auto-Recovery	Time-based Restart