



# Evo<sup>®</sup> 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.

## 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.

## 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	✓

### 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

### System Function

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

### 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



### 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

### 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