ACETECH

ACETECH™ is a global manufacturer of vehicle intelligence for your vehicle fleet. Our solutions include cloud-based fleet management software, specialist safety & eco-friendly modules and intelligent electronic control units. **ACETECH™** solutions integrate seamlessly into your vehicles to enhance performance, improve safety and revolutionize the operation of your entire fleet. With over 65,000 solutions installed worldwide, we are the leader of high-tech vehicle systems that provide you the user with unmatched data from your fleet.

ACETECH | Services

Improve Fleet Safety
- Real-time in-cab driver coaching
- Reduce Preventable crashes by 80%
- Expert on-site safety training

Reduce Operational Costs
- Reduce fuel consumption by 10% or more
- Reduce maintenance expenses by 30% or more
- Nearly eliminate critical failures

Powerful Fleet Analytics
- Journey Replay, Fleet Daily Activity & Fleet Utilization
- Fleet Idle & Fuel Consumption
- Fleet Maintenance History and Schedules
- Driver Safety - Speeding, G-Force, Seatbelts, Unsafe Reverse
- Fleet Geofence & Response Time
- Engine Errors, Battery Levels and more

World Leaders
with offices on
5 continents.

Global Brand
with products in
50+ Countries.

Client Oriented
with over 100
Loyal Customers.

Innovation Focused
with over 65,000
products shipped.

Award Winning
dedicated team
of professionals.

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ACETECH™ is a global leader in the manufacture of Vehicle Intelligence for your vehicle fleet. Our solutions include cloud-based fleet management software, robust safety & eco-friendly modules and intelligent electronic control units. ACETECH™ Vehicle Intelligence, together with our clients, can lead the charge in revolutionising vehicle fleets with the very latest in vehicle technology and connectivity. Together we can drive down costs and improve efficiencies, no matter where in the world you are based.

ACETECH™ | iNSIGHT LITE

Hardware Specs
ACETECH™ AVI LITE
- Native CAN bus interface to chassis
- Reduced wiring by CAN bus multiplexing
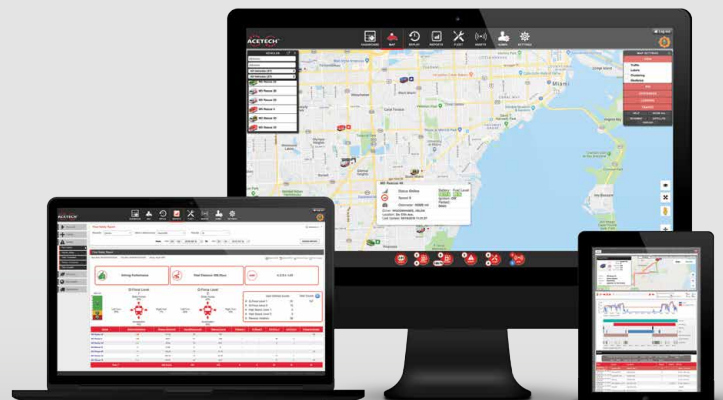- Telematics enabled

iNSIGHT LITE benefits:
- Standard Vehicle Connectivity
- Low Power Consumption
- Small Component Footprint
- Quick Installation
- Remote Diagnostics
- Predict future fleet requirements

Benefits to the End User

Reduced costs through:
- Reduced weight improves vehicle efficiency
- Improved ROI through long-term reduced operational costs
- Improved all-round technical performance
- Option for Advanced Fleet Analytics
- Option for Advanced Vehicle Tracking
- Other value-add options available in the range, including: ECO-Run, TracSENSE RFiD, SOLAR, AVA Driver Assist & more...

ACETECH

ACETECH™ Eco-Run. Drive clean and save green. Engine idling increases expenses of your entire vehicle fleet. **ACETECH™ Eco-Run** is an environmentally friendly module that turns your engine off and on when needed and minimizes unnecessary vehicle idling. It helps reduce costs, promotes better driving behavior and reduces emissions to create a more eco-friendly and cost-effective fleet.

ACETECH | Eco-Run

Reduce Costs
• Reduces fuel consumption costs.
• Minimizes engine wear and tear.
• Reduces maintenance costs.

Smart Idling
• Maintains optimal temperature
• Protects vehicles from theft
• Detailed reporting on rpm, idling, fuel, carbon and cost savings.
• Prevents weak or dead batteries.

Eco Friendly
• Reduces carbon emissions and contributes to a green environment.

Eco Friendly
Stops unnecessary idling and controls fuel consumption.

Customizable
Automatic or manual restart and programmable shutdown.

Decision Making
Web based reports to help monitor fuel efficiency and idling.

Stop
The engine automatically turns off when excessive idling is detected.

Start
The engine restarts when undesirable temp. or voltage thresholds are detected.

Power
Vehicle operation continues to preform when engine is off.

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ACETECH™ | CONNECT

Remote Configuration

ACETECH™ CONNECT
- Connected control system with remote diagnostic and configuration

Hardware Specs

ACETECH™ CONTROL
- Native CAN bus interface to chassis
- Reduced wiring by CAN bus multiplexing
- Telematics enabled
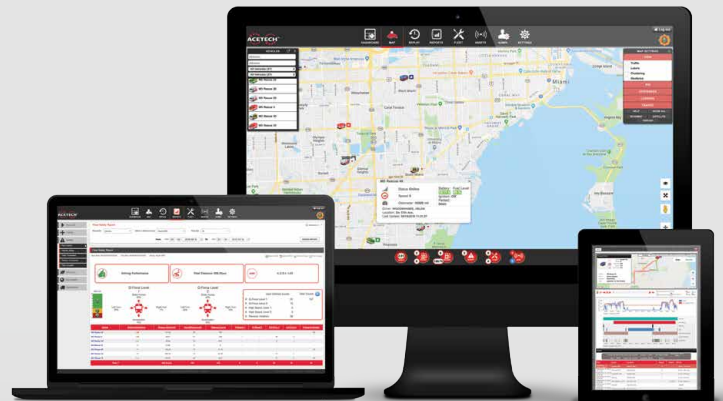- IoT sensors equipped

ACETECH™ CONTROL Benefits:
- Full Vehicle Connectivity
- Low Power Consumption
- Small Component Footprint
- Remotely Configurable
- Remote Diagnostics
- Predict Future Fleet Requirements

Benefits to the Modifier

Reduced costs through:
- Reduced cabling by up to 75%
- Fewer terminations result in reduced installation time
- Reduced weight improves vehicle efficiency
- Improved ROI through long-term reduced operational costs
- Improved all-round technical performance
- Option for Advanced Fleet Analytics
- Option for Advanced Vehicle Tracking
- Other value-add options available in the range, including: ECO-Run, Asset Intelligence, SOLAR, AVA Driver Coaching & more...

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ACETECH™ | CONNECT

Remote Configuration
ACETECH™ CONNECT
- Connected control system with remote diagnostic and configuration

Hardware Specs
ACETECH™ CONNECT
- Native CAN bus interface to chassis
- Reduced wiring by CAN bus multiplexing
- Telematics enabled
- IoT sensors equipped
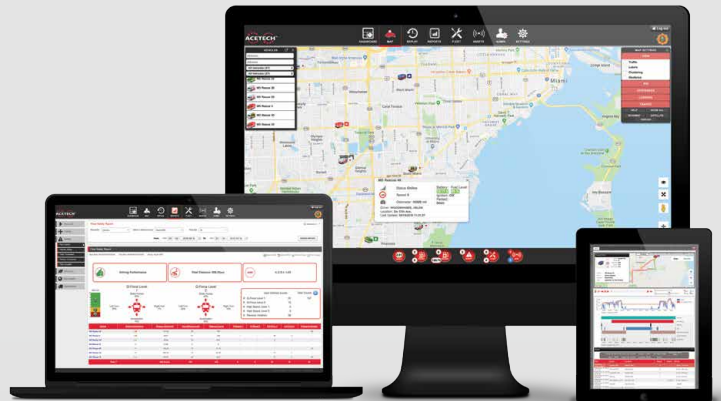
ACETECH™ CONNECT Benefits:
- Full Vehicle Connectivity
- Low Power Consumption
- Small Component Footprint
- Remotely Configurable
- Remote Diagnostics
- Predict future fleet requirements
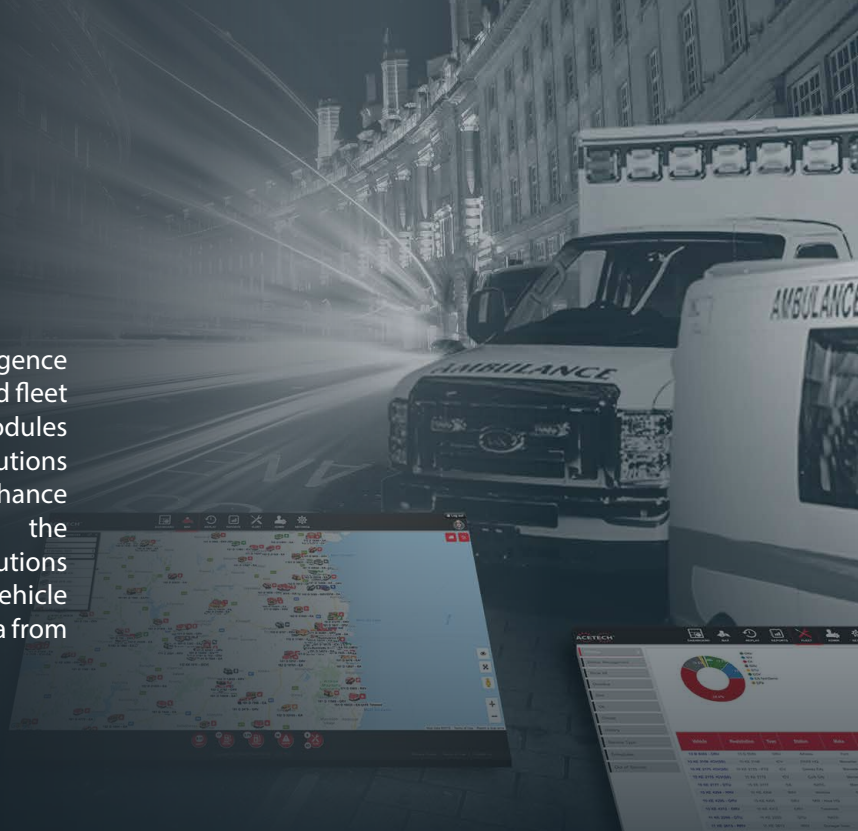

Benefits to the End User

Reduced costs through:
- Reduced weight improves vehicle efficiency
- Improved ROI through long-term reduced operational costs
- Improved all-round technical performance
- Option for Advanced Fleet Analytics
- Option for Advanced Vehicle Tracking
- Other value-add options available in the range, including: ASSET INTELLIGENCE, ECO-Run, SOLAR, AVA Driver Coaching & more...

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ACETECH™ | Vehicle Intelligence

Fleet Tracking
Always know where your vehicles are located.
- Real-time data provides live mapping of fleet activity.
- Robust reporting suite designed for EMS operations.

Make Smart Decisions
Increase safety and reduce unnecessary expenses.
- Improve fleet and safety performance with powerful data.
- Reduce fuel and maintenance costs.

Performance
Peace of mind knowing your ambulances are operated within policies and guidelines.
- Manage your people and assets to improve operational efficiency.
- Modify diving behavior with real-time alerts and feedback.

Reports
Customized analytics based on your fleet activity. Reports the information you want to see, when and how.

Monitor Vehicle Activity
Reduce aggressive driving by monitoring speeding, G-forces, seatbelt use, unsafe reverse, lights and siren use & more.

Safer Driving
Safe driver coaching with real-time alerts. Drivers are scored and held accountable for unsafe driving.

Location
Live location mapping & vehicle route replay. Take the guesswork out of knowing where your vehicles are and have been.
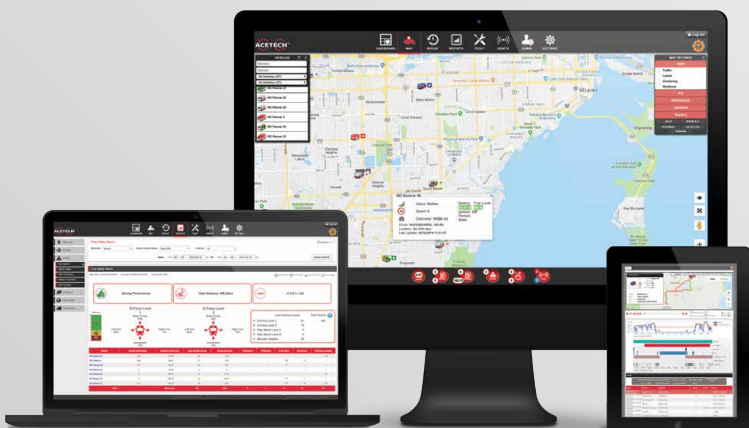
Cut Costs
Reduces fuel consumption & operational downtime. Increase net income by reducing unnecessary expenses.

Maintenance
Realtime vehicle health alerts notify you if your ambulances are approaching critical maintenance failures.

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ACETECH

ACETECH™ Vehicle Intelligence, together with our partners, can lead the charge in revolutionising vehicle fleets with the very latest in vehicle technology and connectivity. Together we can drive down costs and improve efficiencies while opening potential recurring revenue streams from the end user. With ACETECH™ Vehicle Intelligence value add-ons there is near limitless potential to benefit your customer through the use of state-of-the-art modules completely configurable to your client's specific needs.

ACETECH™ | Partnership

Benefits to our Partners

- Improved ROI through long-term reduced operational costs (excellent USP)
- Potential for Advanced Advanced Vehicle Tracking
- Potential for Advanced Fleet Analytics
- Real-time in-cab driver coaching
- Improved Driver Safety through AVA add-ons
- Potential for ECO module add-ons
- Predict future fleet requirements
- Improved Brand Equity

POTENTIAL VALUE ADD-ONS

RFID
Manage your equipment and consumables on the road with ACETECH™ TracSENSE.

Eco Friendly
ACETECH™ ECO-Run Module stops unnecessary idling and controls fuel consumption.

Solar
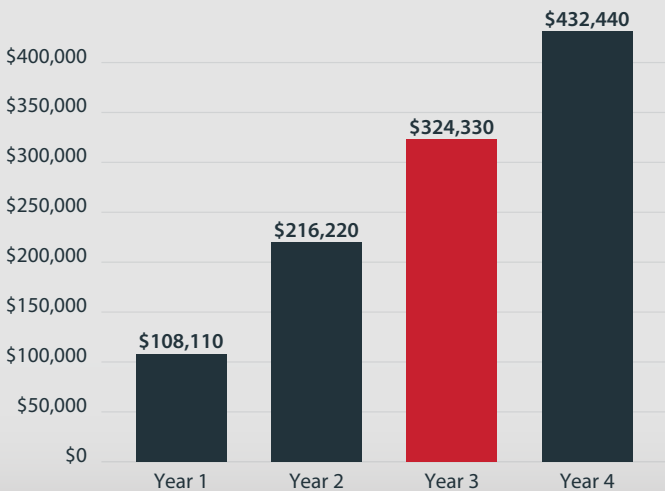Augment vehicle performance and decrease vehicle off-road with ACETECH™ SOLAR

Decision Making
The ACETECH™ AVA Module reduces speeding and encourages better driving behaviour.

USP: HOW TO SAVE UP TO $320,000 IN 3 YEARS

Chart values:
- Year 1: $108,110
- Year 2: $216,220
- Year 3: $324,330
- Year 4: $432,440

Return on Investment
Pays for itself in 9 months, representing amazing ROI

	Annual	Year 3
Fuel Savings	$ 26,250	$ 78,750
Maintenance Savings	$ 67,560	$ 202,680
Preventable Crashes	$ 14,300	$ 42,900

Assumptions:
No. of vehicles: 20, Annual fleet miles: 800,000, Fuel per gallon: $2.98, % MPG increase: 11%, Preventable crash reduction: 80%, Less replacing / repairing of:
Alignment, Engine mounts, Front and rear shocks, Front and rear brake pads, Front brake rotors, Leaf spring bracket, Radius arm bushings, Rear bumpers, Shock mounts, Tires, Transmission service, etc.

Figures stated relate to study undertaken for Gold Cross Ambulance Service, United States, June 2019.

ACETECH

It is vital that EMS Emergency Services Fleets are always powered up. **ACETECH™ SOLAR** provides innovative state-of-the-art solar cells for emergency service vehicles. Solar provides an endless and unlimited source of energy, reducing the need for engine idle or return to base for shoreline power. Light, flexible yet powerful, **ACETECH™ SOLAR** helps you optimize your fleet operations, cut costs and minimize your environmental footprint.
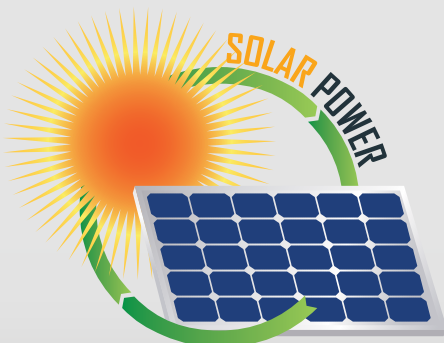
ACETECH | SOLAR

Features

- Lightweight and Flexible Polycrystalline Solar Cells
- High Resistance to Mechanical Stress
- Completely Waterproof
- Ultra-Thin (less than 2mm)
- IEC 61215 and IEC 61730
- Available in various sizes and colours
- Adaptable to any Battery: from 5 to 48 Volt, Lead-acid or Lithium
- Connects with your **ACETECH™ Vehicle Intelligence** Telematics Software

Benefits of ACETECH™ SOLAR

- Reduces engine idling
- Provides fuel savings
- Improves vehicle availability with less need for shoreline connections
- Always-on charging keeps equipment at optimum levels and ready-to-go
- Reduces critical battery replacements
- Reduces Carbon Emissions and contributes to a greener environment

Green Fleet
Reducing idling minimizes emissions, contributing to a green environment.

Integration
Data is fed into **ACETECH™ Vehicle Intelligence** giving detailed fleet information for improved decision making.

Performance
Reduced shoreline charging and optimize fleet battery management.

Innovative Technology
Polycrystalline solar cells give a higher module power and increases energy yield.

Flexible
An ergonomically designed solar panel that is flexible to fit the shape of the vehicle, helping prevent microcracks.

Cut Costs
Lower fuel consumption and battery maintenance costs, creates a more cost-effective fleet.

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ACETECH

ACETECH™ Asset Intelligence is a real-time vehicle-based asset tracking and compliance management system aimed at both vehicle crew and fleet managers alike. Lost and stolen equipment cost the industry millions each year.

ACETECH™ Asset Intelligence utilises RFID tags attached to assets, helping to prevent loss and theft of valuable equipment while assisting you with your important asset management, location, maintenance and purchasing decisions.

ACETECH™ | Asset Intelligence

ACETECH Asset Intelligence
• TracSENSE application uses RFID to provide critical real-time feedback on your assets and pre-packs.

In the vehicle
• An RFID tracking system that helps prevent theft to ensure your vehicle is always equipped and compliant.
• Can integrate with **ACETECH™ TOUCH** products and/or Switch Panels to provide missing asset alerts and live asset status.

In the storeroom
• Asset Intelligence is an intelligent inventory management system that helps you order, track and control stock in your warehouse and stockroom.

RFID
Manage your equipment and consumables in your premises and on the road.

Locate
Locate and receive accurate info on all equipment.

Track
Display asset location history and status.

Search
Create a search for specific assets or view full inventory.

Alert
Receive alerts on missing assets and maintenance.

Maintenance
Know the status of asset maintenance and scheduling.

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ACETECH™ TOUCH Products provide complete control of what matters in your vehicle with the simple touch of a screen or button. Access navigation maps, journey information, **Asset Intelligence**, passenger data, lighting and HVAC controls and more, all from one unit*.

ACETECH™ TOUCH Products bring together many different high-tech features into one compact design. They work in conjunction with any **ACETECH™ CONTROL** as well as the **ACETECH™ CONNECT** module.

ACETECH ™ | TOUCH

ACETECH TOUCH 10 Pro

Display:	10.1" HD Display 1280x720
Dimensions:	(WxH) 255mm x 195mm
Operating Volt:	9 - 28V
Operating Temp:	-10° to 50°C
Start Up Time:	Depends on Windows App (cold boot), >1sec (low power mode)
CPU:	Intel Atom Processor, i3, i5, i7
RAM:	2-8GB
Comm:	Bluetooth, WiFi, GPS, GSM, RS232, CAN Bus, USB, Video Ub, LAN
VOUT:	VGA, DVI, HDMI
O/S:	Windows 7/8 32/64 Bit

ACETECH TOUCH 8

Display:	8" Sunlight readable TFT LCD display, 1280 x 800 resolution
Dimensions:	(WxHxD) 210mm x 154mm x 33.9mm
Operating Volt:	9 - 30V with 4 pin connector
Operating Temp:	-10° to 50°C
Start Up Time:	5sec (cold boot), >1sec (low power mode)
CPU:	Rockchip RK3399
RAM:	2 Gb DDR3 / 16GB eMMC
Comm:	OBD2/J1939, GPS, RS232, Digital I/O, front facing camera, ambient light sensor, Bluetooth, WiFi, WWAN, digital microphones
VOUT:	HDMI
O/S:	Android 7.1

ACETECH TOUCH 5

Display:	5" HD AMOLED Display, 1280 x 720 resolution
Dimensions:	(WxHxD) 138.2mm x 71.2mm x 16.2mm
Operating Volt:	8 - 28V
Operating Temp:	-30° to 70°C
Start Up Time:	5sec (cold boot), >1sec (low power mode)
CPU:	ARM Cortex-M4
RAM:	2Gb
Comm:	Voice recognition, humidity, temperature, & ambient light sensor
VOUT:	Voice announcements / alerts
O/S:	ACETECH O/S

*Some product features are model dependant.

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ACETECH

ACETECH™ Vision has been developed to improve vehicle safety, efficiency and security. Integrating our camera technology can prevent collisions that arise from blind spots, reduce the risk of false claims while providing additional vehicle surveillance security.

ACETECH™ Vision allows for real-time remote viewing capabilities coupled with our easy to use software providing journey playback and footage downloading options to ensure you are fully covered from the start.

ACETECH™ | Vision

Benefits

Smart Driving
Helps drivers manoeuvre vehicles with more ease, creating a safer journey for your crew and passengers.

Driver Protection
Recorded footage of your fleet that helps in the event of a collision / where claims are made to protect your driver and your reputation.

Anti-theft
The camera system acts as a security surveillance system to deter vandalism and theft.

Insights
View live video feeds and playback previous journey footage of your fleet from anywhere in the world.

Scene Management
Remote login with Live View improves situational awareness and crises management in the event of any incidents with mass casualties.

Innovative Technology
Real-time view of on board cameras with high definition video footage.

Safety
Provides additional security for your fleet to deter vandals and improve journey safety.

Security
Reduce costs incurred from false claims and damage to vehicles with accurate video footage.

Boosts Performance
Improves driver experience, simplifies their job and improves driving behaviour.

Situational Awareness
Live View allows for Scene Management and improved Situational Awareness.

Features / Technical Specifications

- Remotely View Live Footage, Replay or Download Videos
- Easy to Use Software
- Accessible on Desktop, Tablet or Mobile Device
- Forward and Rear, Side Mounted and In-Cab Camera Options
- Footage: High Definition
- 4 Channel and 8 Channel Options
- Standard 1TB of data or upgrade to 2TB storage.
- Dimensions: 192mm x 184mm x 61 mm
- Voltage: 8-36V

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ACETECH

The **ACETECH™ CONTROL 20 Pro** is our very latest multiple-signal, CAN bus control unit that incorporates all of the latest, cutting-edge features you require. It seamlessly integrates with other **ACETECH™** products through the **ACETECH™** CAN bus connection and provides the ability to monitor and log PRM, H-bridge, and soft-fusing output currents over time. It can also be easily scaled to continuously provide the most suitable functionality for your application needs.

ACETECH™ | CONTROL 20 Pro

ACETECH™ CONTROL 20 Pro Technical Specs
- 20 total outputs per module
- Up to 5 CONTROL 20 Pro units can be linked together
- Features software-adjustable output polarity
- Designed for automotive operating temperature range
- Capable of 12/24 V applications
- Intuitive and native diagnostics via 3.5″ display
- Re-branding option
- 2x CAN bus interfaces (1x **ACETECH™**, 1x vehicle)
- PWM available on all outputs
- Real-time output voltage/current logging
- Remote updates when coupled with the **ACETECH™ CONNECT** product
- Can work on its own or part of a larger multimode network
- Small physical footprint: 135 x 103 x 22 mm
- 4 physical inputs fully software-configurable for digital or analogue functions
- Unlimited CAN bus inputs

Benefits to Users
- Gathers and logs performance and warranty-related data
- Modern, flexible, and extremely customizable control system
- Intelligent design for low power consumption
- Input data from CAN allows for reduction in wiring and component size
- Ability to integrate analogue sensors (eg. oxygen, temperature, light, etc.)
- Easy to repair with advanced diagnostics and self-reprogramming
- Small physical footprint and cost-effective design

ECO
Low power consumption for ECO focused fleets

Control System
Fully customizable control system with enhanced configurability

Diagnostics
Advanced diagnostics and self-reprogramming

Sensors
Integrate analogue sensors for monitoring what matters

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