

Advanced System Control Technology for Motorcycles

Innovation, sophistication and simplicity on two wheels



Sophisticated simplification – The motorcycle Body Control Unit.

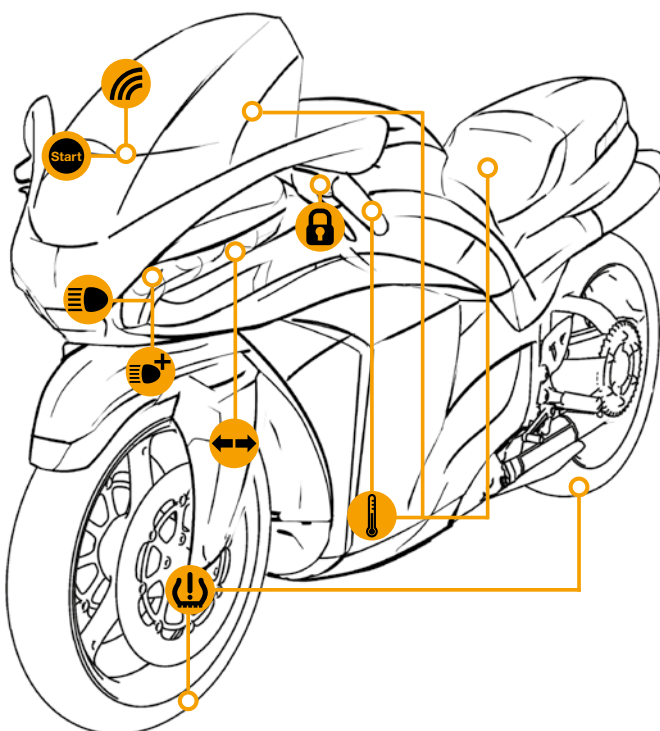
Proven in automobiles, perfect for motorcycles.









Innovative, advanced technology is already firmly established as a vital sales driver within the automotive world. Driver assistance systems and enhanced convenience equipment are always high on customer wish lists.

Usually such features are developed primarily for four-wheeled vehicles. And it has always taken a while for them to become essential for the motorcycle customer. Being a thoroughly future-oriented company, Continental offers a Body Control Unit (BCU) - there's hardly a car built today without one - specifically for mid-range and high-end motorcycles. So now our customers can be prepared for the growing demand for sophistication from riders (drivers) of their machines.

The Continental BCU for motorcycles, monitoring and controlling numerous non-powertrain functions like keyless start, is set to become the key to future sales success.

At a glance



-  PASE (Authentication)
-  Engine Start/Stop
-  Immobilizer / Central Locking
-  Headlamp Control
-  Advanced Light Management
-  Turn Indicators
-  Heating Management
-  Tire Pressure Monitoring System

Central control unit with multiple functions.

Although our fully integrated Body Control Unit is extremely compact, it is capable of controlling numerous functional systems.

Passive Enabling (PASE) is an RF transmitter / receiver system that facilitates both the authentication and immobilizer. Tire pressure monitoring also functions by utilizing the integrated RF receiver in the BCU.

There's also an external LF antenna, with an effective range of up to 1.5 m from the Base Station (BS), which senses the presence of the ID tag unit. With four individual buttons, the ID tag unit can accommodate the keyless locking / unlocking of luggage boxes or other storage areas on the bike.

The unit also includes additional inputs and outputs for actuators that are available to control further functions according to customer needs.

This purpose-designed BCU is, of course, fully water-proofed for trouble-free, all-weather performance in the exposed environment of a motorcycle. It can include a three-axis accelerometer to support advanced light functionalities. And its compact outline and single connector make it easy to integrate conveniently within the overall design.

Mid-range and high-end motorcycles equipped with the Continental BCU are predestined for the fast lane to future sales success. High product quality that meets international and customer-specific standards.

Short lead time and low adaptation cost due to flexible platform architecture.

Customized solutions for individual requirements.

Flexibility for success.

Continental's success as a Tier 1 manufacturer is not just based on the quality and reliability of our products. It goes much further than that. Today it is more important than ever before to provide customers with solutions that are made-to-measure to meet individual market and customer requirements.

The BCU will provide a variety of set-up configurations, according to customer needs. It starts with just the hardware, and then operating system and application programs can be added as desired. This flexible approach to our customers' needs is what keeps us, and them, ahead of the market.

	Hardware	Operating System	Application Programming
Option 1	Continental	Continental	Continental
Option 2	Continental	Continental	Customer
Option 3	Continental	Customer	Customer

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