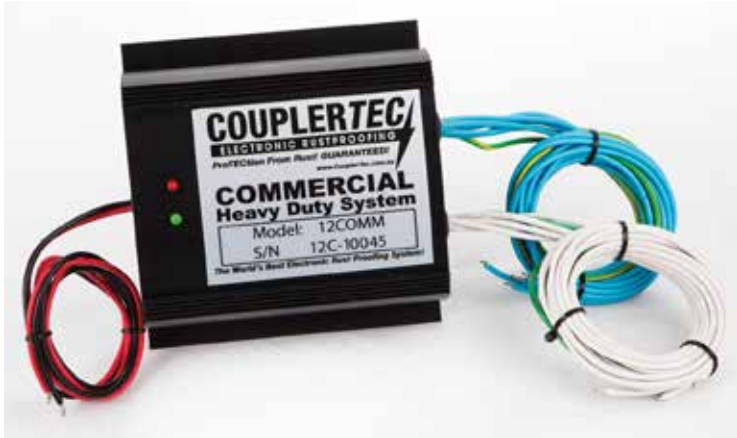


**Model: 12COMM**

# Product Information Sheet

**Product Code: 12COMMSFK**

Description: CouplerTec Electronic Rustproofing System 12/24V,  
with Ten Capacitive Couplers



This 12COMM system offers protection for Heavy Vehicles and Machinery that are up to 14m in length, also suitable for smaller sized Heavy Vehicles or Machinery up to 12m in length that will be used in highly corrosive environments.

**IMPORTANT INFORMATION:** Vehicle/Machine dimensions should not exceed the following dimensions: 3 meters in Width, 4.5 meters in Height and the Length specified herein.

## PRODUCT BENEFITS

- Protects 100% of the vehicles metal surface, inside and out\*.
- Helps stop paint from oxidizing and keeps the paintwork looking like new.
- Removes static electricity from the vehicles surface.
- Systems are Transferable.
- Reduces maintenance costs associated with rust and corrosion.
- Will slow or stop existing corrosion.

\*Any metal component that is insulated from earth is not protected.

## KEY FEATURES

- Incorporates CouplerTec Capacitive Coupling Technology – The ONLY tried tested and proven technology to protect motor vehicles from rust and corrosion.
- Solid State Electronics – Offers an indefinite life span.
- Twelve Capacitive Couplers, each charged by their own dedicated circuit.
- The CouplerTec module incorporates a microprocessor that employs a process called ‘Monitored & Controlled Performance’ – This is where the microprocessor monitors and controls the performance of the system, ensuring that it is operating at the optimum level. The module confirms that it is working correctly by way of a Green flashing LED, giving you peace of mind that your vehicle/machine is being protected. Conversely, the system will also indicate the detection of a fault by way of a Red flashing LED. The system will reset after the fault has been rectified.



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**COUPLERTEC™**  
**ELECTRONIC RUSTPROOFING**  
*ProTECTION From Rust! GUARANTEED!*



Module	Solid state electronics Microprocessor monitored and controlled Self diagnostic
Technology	CouplerTec Capacitive Coupling
Voltage Requirement	12VDC / 24VDC
Minimum Voltage (Input)	11.6VDC
Maximum Voltage (Input)	30VDC
Power Draw	25 - 55mA ~
Number of Circuits	Twelve
Voltage Output Per Circuit (VP)	400V (Peak) and from 200V (RMS Typical)
Minimum Operating Frequency	200 kHz
Carrier Frequency	20 kHz
Capacitance	80 pF (Typical Average)
Maximum Operating Temperatures	-30 ~ +85 deg C (Ambient)
Module Dimensions	150mm x 156mm x 60mm (L x W x H)
Module Weight (including wiring)	1.9Kg
Number of Capacitive Coupler's	Twelve
Capacitive Coupler Size	116mm x 58mm (L x W)

**CouplerTec International Patents:**

Patented in Australia: AU 2007236536,  
 Patented in USA 12/295271,  
 Patented in Canada 2642716,  
 Pat Pend Europe 07718629,  
 Pat Pend UAE 1021/2008,

**Certifications:**

**Tested to Automotive Standard CISPR 25 EMC**

(Electromagnetic Compatibility) Approval N28214



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