

## OUTLET TEST SYSTEM (OTS)

### Electrical Protection

#### Application

The OTS System is installed into Ampcontrol Substations, Distribution Boards and Outlet Control Boxes. The OTS greatly simplifies the statutory testing process, performing a hands-free, automated testing function whilst simultaneously providing a comprehensive record management tool.

#### Features

- Fully automated, outlet protection function testing
- Wireless outlet testing
- Earth Leakage (EL) protection testing (contactor operating and back EMF clearing times)
- Earth Continuity (EC) protection tests (series and shunt)
- Earth Fault Lockout (EFLO) protection testing
- Frozen Contactor (FC) protection testing
- Test data logging (Uploads to cloud storage)
- DIN rail mounted



#### Description

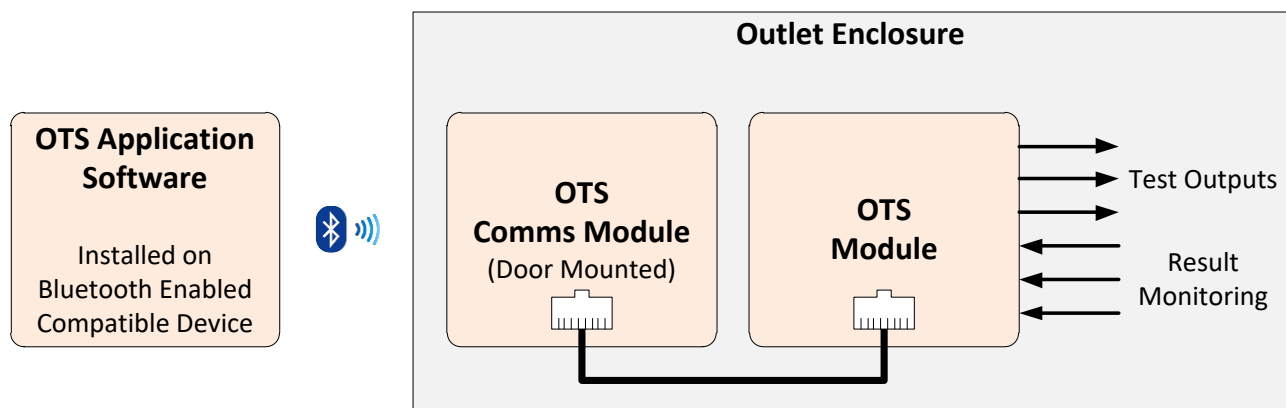
The Ampcontrol Outlet Test System (OTS) provides a fully automated outlet testing facility. The OTS completely eliminates paper-based record keeping by concurrently updating a historical database with the latest test data.

The OTS is comprised of an OTS module, embedded within the outlet electrics, and an OTS Comms Module, mounted on the door to provide Bluetooth connectivity to the tester.

All tests are initiated wirelessly via the OTS Application Software, which is installed on compatible Bluetooth enabled devices. Each outlet is able to be individually targeted.

All local test records are managed within the OTS Application Software until the tablet performs an authorised sync with the AWARE cloud storage. When this occurs all local test reports are uploaded to the cloud, and then all Assets and Users are refreshed for the selected site. All OTS test records can be accessed by anyone with internet access and authorisation (user account).

The OTS will test earth leakage, measuring both the contactor opening time in addition to the true earth leakage clearing time (time for back EMF voltages to fall below ELV), earth continuity (both shunt and series), earth fault lockout, and the frozen contactor protection functions of the outlet.



Specifications	
<b>Supply</b>	
<i>Regulated Voltage</i>	24 VDC or 24 VAC (50 Hz) ±20 %
<i>Power Supply Requirement</i>	5 VA
<b>Dimensions and Environment</b>	
<i>OTS (H x W x D)</i>	116 x 68 x 113 mm
<i>Comms Module (H x W x D)</i>	86 x 54 x 21 mm
<i>IP Rating</i>	IPX6
<b>Earth Leakage Test</b>	
<i>Test Interface</i>	Current injected through the earth leakage toroid
<i>Measured Entities</i>	Elapsed time between trip initiation and outlet contactor opening <b>and</b> , Elapsed time between trip initiation and the back EMF falling below ELV (true clearing time)
<b>Earth Continuity Test</b>	
<i>Test Interface (Series)</i>	Open Circuit pilot
<i>Measured Entities (Series)</i>	Earth continuity relay initiates a trip
<i>Test Interface (Shunt)</i>	Short Circuit pilot to earth
<i>Measured Entities (Shunt)</i>	Earth continuity relay initiates a trip
<b>Earth Fault Lockout Test</b>	
<i>Test Interface (Phase A)</i>	Shunt EFLO Phase A connection to earth
<i>Measured Entities (Phase A)</i>	Earth Fault Lockout relay initiates a trip
<i>Test Interface (Phase B)</i>	Shunt EFLO Phase B connection to earth
<i>Measured Entities (Phase B)</i>	Earth Fault Lockout relay initiates a trip
<i>Test Interface (Phase C)</i>	Shunt EFLO Phase C connection to earth
<i>Measured Entities (Phase C)</i>	Earth Fault Lockout relay initiates a trip
<b>Frozen Contactor Test</b>	
<i>Test Interface</i>	Short MCI feedback into FC Relay
<i>Measured Entities</i>	Circuit breaker has been opened
<b>Find Out More</b>	
For more information on this product, contact Ampcontrol Customer Service on +61 1300 267 373 or <a href="mailto:customerservice@ampcontrolgroup.com">customerservice@ampcontrolgroup.com</a> or visit the Ampcontrol website: <a href="http://www.ampcontrolgroup.com">www.ampcontrolgroup.com</a>	

Ordering	
<i>Part Number</i>	<i>Description</i>
175461	MODULE OTS TESTER
179019	MODULE OTS2 TESTER
175463	MODULE OTS COMMS
176536	MODULE OTS EL-ONLY TESTER
180264	MODULE OTS EL-ONLY TESTER Version 2
175462	MODULE OTS EXTERNAL EL/EC BARRIER
177451	OTS TESTERS TABLET NON-LTE 8IN OTS+CASE

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