

Test & Training Set (TTS)



The TTS should be used for secondary current injection on all Schneider Electric Automatic Circuit Reclosers and Sectionalisers with ADVC control cubicles.

- The TTS has provision for single or multi phase current injection.
- Dry contacts which emulate the switchgear contact operation are provided for timing purposes.

Test & Training Set – Modes of Operation



The Test and Training Set can be used in two different modes.

- Stand Alone Mode

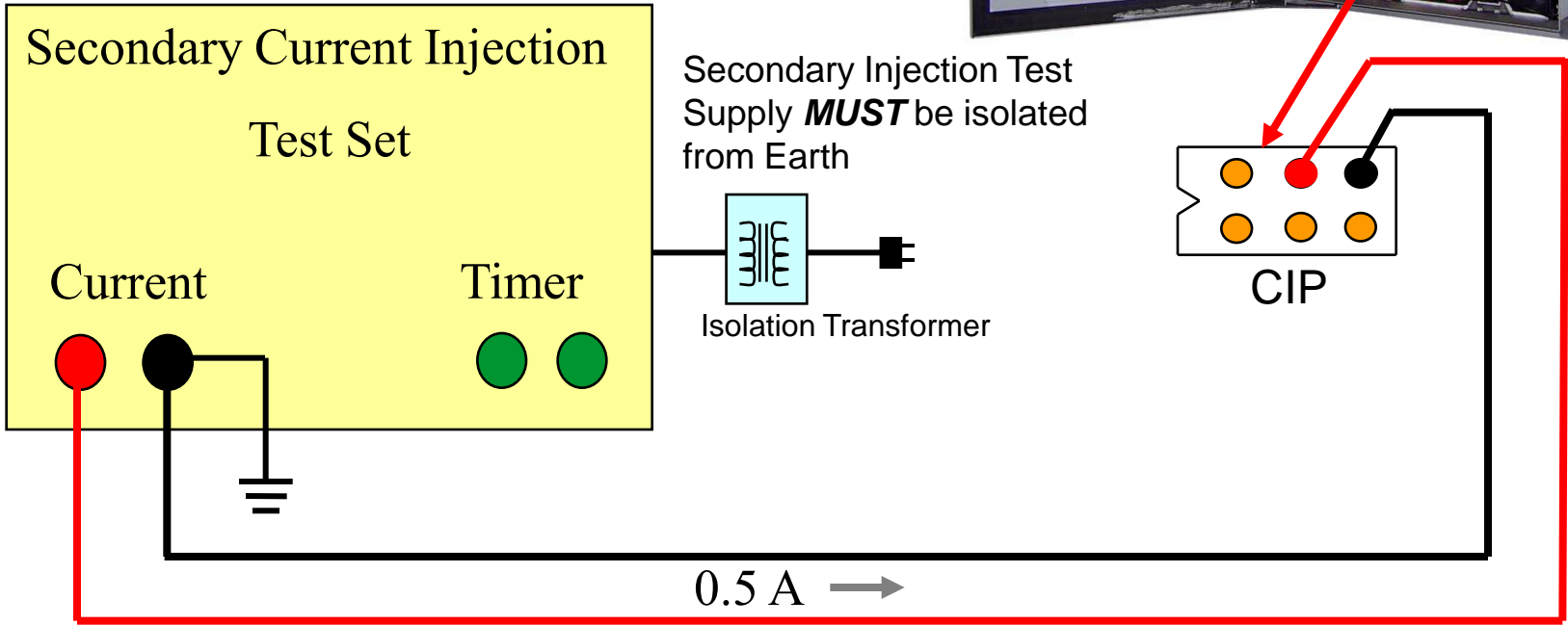
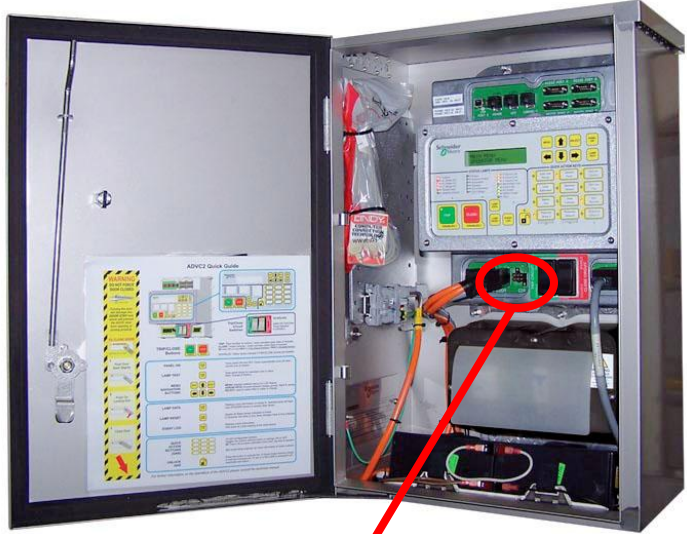
- Where the TTS is connected to the control cubicle in place of the switchgear.

- Parallel Operation Mode

- Where both the TTS and the switchgear are connected to the control cubicle.

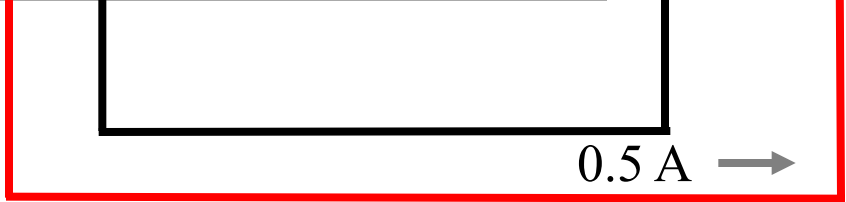
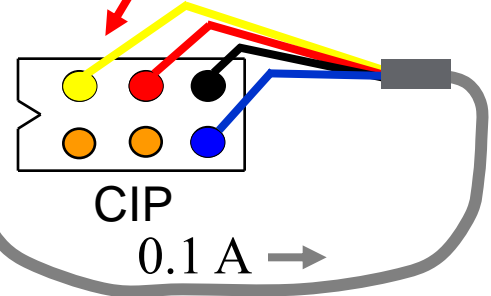
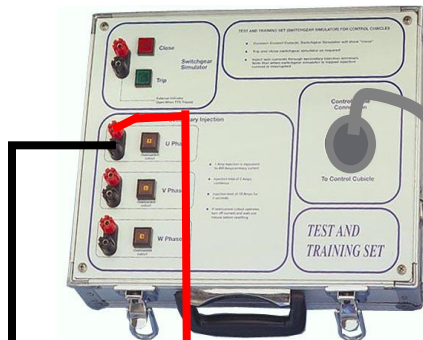
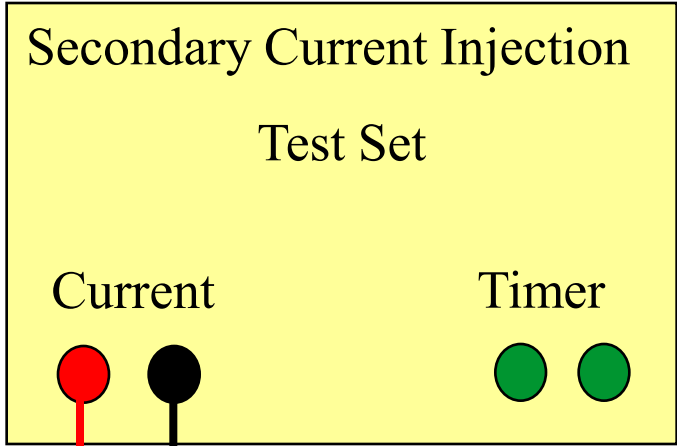
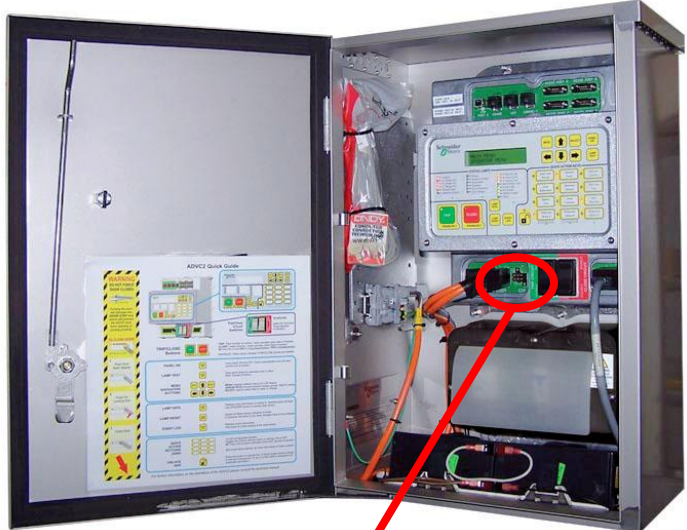
Secondary Injection - CIP

	Current		M
A Phase	1000A	Earth	1000A
B Phase	0A		
C Phase	0A		



TTS – Parallel Mode

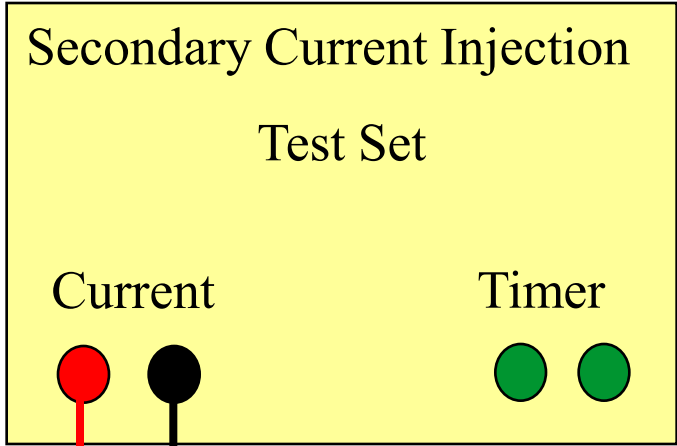
	Current		M
A Phase	200A	Earth	200A
B Phase	0A		
C Phase	0A		



3 x 5:1 CTs

TTS – Stand Alone Mode

	Current		M
A Phase	200A	Earth	200A
B Phase	0A		
C Phase	0A		

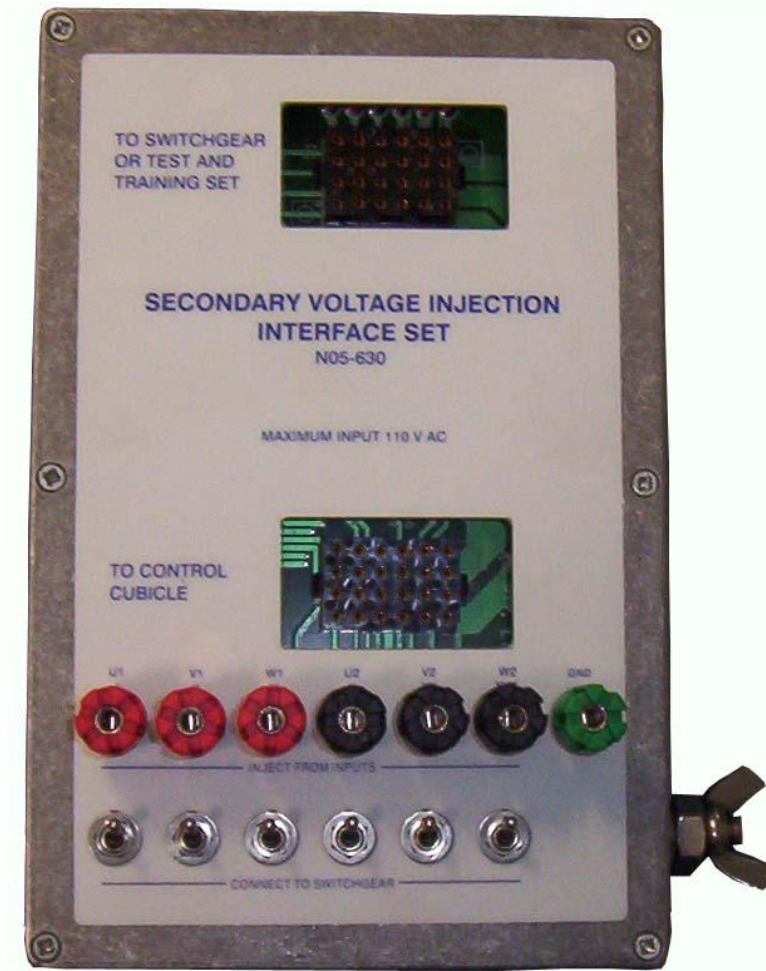


3 x 5:1 CTs

0.5 A →

0.1 A →

Secondary Voltage Injection Interface Set - SVIIS



The maximum voltage that can be applied to the SVIIS is 110 VAC.

- The equivalent primary voltage will depend on the voltage calibration for each bushing.
- The SVIIS can be used in conjunction with the TTS to inject secondary current and voltage on all six bushings.
- When connected in series with the control cable, each bushing can be individually switched between the injected voltage or the voltage signal from its CVT.

TTS & SVIIS – Stand Alone Mode



To Switchgear or Test and Training Set

To Control Cubicle

- Switchgear is disconnected
- Timing can be measured from TTS contacts.

TTS & SVIIS – Parallel Mode

- Controller can trip and close the switchgear.
- Timing can't be measured from TTS contacts.

