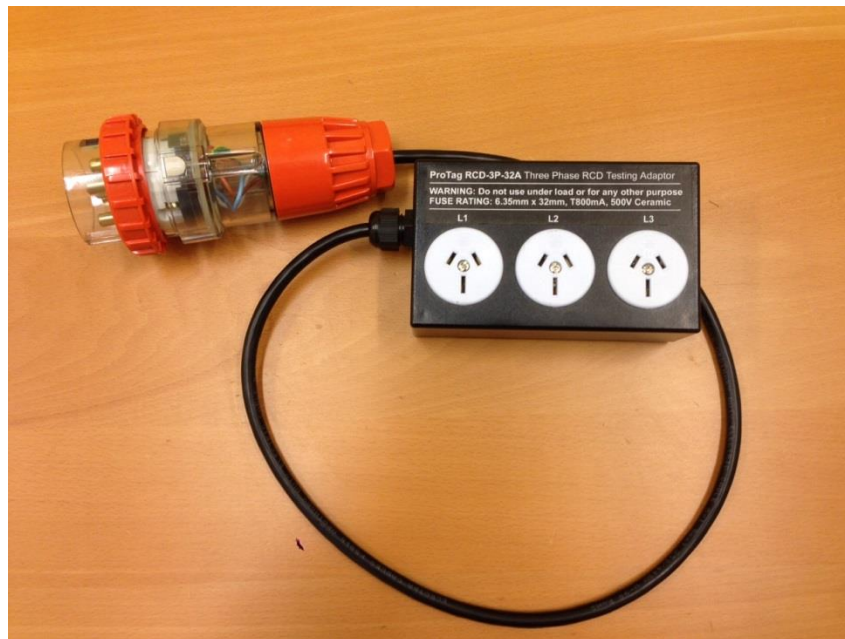


ProTag RCD-3P 3 Phase RCD Testing Adaptor



INTRODUCTION

Thank you for choosing the ProTag RCD-3P. The ProTag Three Phase RCD Testing Adaptor is a universal test adaptor that can be used with any brand of RCD tester or portable appliance tester with RCD test function. The ProTag RCD-3P **only** suits 5 pin three phase sockets and is available in 2 variations: RCD-3P-20A or RCD-3P-32A.

I. Initial Set-Up

1. Insert the Three Phase RCD Testing Adaptor's plug into a three-phase socket outlet.

Note: The Three Phase Adaptor's plug only suits 5 pin three phase socket outlets of either 20A or 32A. Please ensure you use the correct adaptor.

2. Turn on your RCD/PAT Tester with RCD test functionality.

II. RCD Testing – RCD Trip Time

1. Follow the initial set-up instructions in Section I.
2. If you would like to record test results, please setup your RCD/PAT Tester, such as the PrimeTest Elite or the PrimeTest 300 with the correct test sequence first.

Note: PrimeTest Elite and PrimeTest 300 can add new sequence into the existing list of tests (please see section III for step by step instructions).

3. Plug the RCD/PAT Tester's mains test lead cable into the L1 socket of the Three Phase RCD Testing Adaptor.

NOTE: For PrimeTest Elite, use the black clover-type mains lead and connect red IEC lead between IEC and EUT test socket of the PT-Elite.

For PT300 and PAC 3760 DL, use the red IEC lead.

4. Ensure the RCD is reset and switched on at this stage.
5. Perform the RCD test for 0° phase.
6. Reset the RCD to continue the test for the 180° phase.
7. Repeat testing procedure for L1 in sockets L2 and L3 in test adaptor. Plug the tester's mains test lead cable into the L2 and L3 socket of the Three Phase RCD Testing Adaptor.
8. Repeat step 5 to 8 to trip the RCD.


Note: Reset the RCD whenever it trips.






III. Creating Three Phase RCD Sequence on Seaward PrimeTest

















The following instructions are to create 3 Phase RCD test sequence for use with Seaward PT-Elite and PT-300 testers. These instructions can be adapted and applied to other logging RCD or portable appliance testers.



PrimeTest Elite

Note: If the PrimeTest Elite has Firmware version above 2.12.3-9, the "Three Phase RCD" test sequence will be available by default under the  test sequences list so you should not need to conduct the steps below.

Please check and update to latest version, go to www.emona.com.au/support for more information. After the Update, go to Home , Menu , Memory (8) , Restore , select Restore Default Test Sequences, then press Save .

1. Press the Home  button (F1).
2. Select the Menu/Options key  (F4).
3. Select PAT Edit (4)  to start.
4. Press the Menu button  (F3) and select "Add New".
5. Press the Menu button  (F3) again and select "Edit".
6. Press the Edit button  (F4) and change the Test Sequence name to "Three Phase RCD Triptime" then press Save  .
7. Press the Add Test button  (F2) and choose the "Fixed RCD Trip Time"
8. Enter the following parameters (for 0° phase):
 - Pass Fail Limit 300mS
 - Phase Angle 0
 - Trip Current 30
9. Press Save  to return.
10. Press the Add Test button  (F2) and choose the "Fixed RCD Trip Time"
11. Enter the following parameters (for 180° phase)::
 - Pass Fail Limit 300mS
 - Phase Angle 180
 - Trip Current 30
12. Press Save  to return.
13. **Repeat step 7-12** twice more to create the second and third RCD tests.
You will end up with 6 tests in the Three Phase RCD Sequence(2 tests for each phase).
14. Confirm you have 6 tests then press the Escape button  (F5).
15. Select "Yes" to save changes.
16. Press Esc  , Home  , PAT  and then Auto  to start using the new "3 Phase RCD" sequence.



PrimeTest 300sequence

Please follow the steps below to setup a 3 Phase RCD sequence in PT300.

1. Press Menu (F4), select "Configuration", and then "Edit Test Sequences".
2. Press Options (F3), and then select "Add New Sequence". Press OK (F4)
3. A new test sequence is created, highlight it and select "Edit" (F4).
4. To rename the Test Sequence, press "Edit" (F4) and type in the sequence name - "Three Phase RCD" then press "OK".
5. Back on the previous screen, select "Insert" to create a new test.
6. Press the Right (→) arrow and select "RCD Trip Time" from the drop-down box. Press OK (F4)
7. Press "Insert" again, select "RCD Trip Time" from the drop-down box to add a second RCD test. Press OK (F4).
8. Press "Insert" again, select "RCD Trip Time" from the drop-down box to add a third RCD test. Press OK (F4).
9. Note there should now be 3 RCD Triptime tests in your sequence.
10. Press "Esc" (F2) to return and "OK" (F4) to save changes.
11. Press "Esc" (F2) to return to the Main Menu.
12. You can now start using the new sequence from "Menu" and "Auto Mode".

Contacts

EMONA Instruments Pty Ltd

78 Parramatta Rd

Camperdown NSW 2050

Tel: 1 800 632 953

www.emona.com.au, www.protag.com.au

testinst@emona.com.au

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