

Manual Supplement

Manual Title:	165X Users	Supplement Issue:	4
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This supplement contains information necessary to ensure the accuracy of the above manual. This manual is distributed as an electronic manual on the following CD-ROM:

CD Title:	165X
CD Rev. & Date:	1, 6/2004
CD PN:	1674214

Change #1

On page 31, under step number 6, replace the second bullet with the following:

- The secondary (lower) display shows the fault voltage (N to PE) related to the rated residual current.

Change #2

On page 64, under *Tripping Current Measurement/Ramp Test ($I_{\Delta N}$)*, add an * to 50% to 110% of RCD's rated current and add the following footnote:

*30% to 110% for Type A

Change #3 ECO W1056056

On page 59, under *Insulation Resistance Measurement*, Model 1651:

Change: 500-1000 V

To: 250-500-1000 V


Change #4

On page 17, under **Error Condition**,


Change: Probe Resistance

To: Excessive Probe Resistance

On page 18, add the following to the **Power-On Options** table:

	Continuity beeper toggle. Toggles the continuity beeper on and off. The default is on.
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On page 23, replace step 4 with the following:

Press and hold  until the reading settles. If the continuity beeper is enabled, the tester will beep continuously for measured values less than $2\ \Omega$ and there will be no stable reading beep for measured values greater than $2\ \Omega$. If a circuit is live, the test is inhibited and the ac voltage appears in the secondary (lower) display.

On page 25, add the following after step 7:

This test takes several seconds to complete. If the mains is disconnected while the test is active, the test will automatically terminate.

On page 35, add the following to the end of the **To measure earth resistance** procedure:

If the measurement is too noisy, Err 5 will be displayed (the measured value accuracy is degraded by the noise). Press the down arrow  to display the measured value. Press the up arrow  to return to the Err 5 display.

If the probe resistance is too high, Err 6 will be displayed. Probe resistance may be reduced by driving the test stakes further into the earth or wetting the earth around the test stakes.

On page 44, step 5 and Figure 23, and page 46, change the value and the Part Number of the fuse,

From: 1.25 2040349

To: 1.0 2530449