

Errata

K. T. Erickson, *Allen-Bradley PLCs: An Emphasis on Design and Application*,
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- p. 52 2nd paragraph after first design tip, line 2, "Alled-Bradley" should be "Allen-Bradley"
- p. 84 Line 3, "SYSVA_POWER_UP_BIT" should be "SYSVA_POWERUP_BIT".
- p. 84 Fig. 3.13. The bottom of the figure should have "Input Wiring", "Ladder Logic", and "Output Wiring" below the graphic.
- p. 99 P3-1 (b), Tag PS4250 should be in slot 17
- p. 100 P3-2 (d), Tag PSOL2 should be in channel 9
- p. 101 P3-3 (b), Tags PB6121 and PB6122 should be in slot 1
P3-3 (c), Tag PB6121 and PB6122 should be in slot 1
P3-3 (d), Tag PB6121 should be in channel 6 and PB6122 should be in channel 7
- p. 168 Figure 5.16(a), In the CTU and CTD blocks, "Timer" should be "Counter"
- p. 204 General instructions for problems, point 3, 2nd line, "CompactLogiz" should be "CompactLogix".
- p. 210 P5-12, Tag LA103 address for Micro 800 should be "_IO_EM_DO_09"
- p. 213 P5-14, Line 2, Tag BUNK2_LLMP address for Micro 800 should be "_IO_EM_DO_08"
- p. 234 P5-33, corrections to following tags:
C101_AHRN address for Micro 800 should be "_IO_EM_DO_05"
C101_ALMP address for Micro 800 should be "_IO_EM_DO_06"
M101 address for Micro 800 should be "_IO_EM_DO_07"
- p. 357 P6-13, Line 9, Tag PVAC_ON address for Micro 800 should be "_IO_P1_DO_00"
- p. 368 Starting with Studio 5000 v36, the names of the comparison blocks have changed as follows:
- | V35 and older | V36 and newer |
|---------------|---------------|
| EQU | EQ |
| GEQ | GE |
| GRT | GT |
| LEQ | LE |
| LES | LT |
| NEQ | NE |
- p. 368 Figure 7.7 Starting with Studio 5000 v36, the "LES" block is changed to "LT" and the "GEQ" block is changed to "GE".
- p. 369 Figure 7.8 Starting with Studio 5000 v36, the "LIM" block is changed to "LIMIT".
- p. 370 Starting with Studio 5000 v36, the "SQR" block is changed to "SQRT".
- p. 370 Figure 7.10(d) Starting with Studio 5000 v36, the "SQR" block is changed to "SQRT".
- p. 371 Starting with Studio 5000 v36, the names of some of the calculation blocks have changed as follows:
- | V35 and older | V36 and newer |
|---------------|---------------|
|---------------|---------------|

ACS	ACOS
ASN	ASIN
ATN	ATAN
SQR	SQRT
XPY	EXP

- p. 372 Starting with Studio 5000 v36, the names of some of the conversion blocks have changed as follows:
- | | |
|---------------|---------------|
| V35 and older | V36 and newer |
| FRD | BCD_TO |
| TOD | TO_BCD |
| TRN | TRUNC |
- p. 372 Figure 7.12 Starting with Studio 5000 v36, the "FRD" block is changed to "BCD_TO". Figure 7.13 Starting with Studio 5000 v36, the "TOD" block is changed to "TO_BCD".
- p. 373 Figure 7.13 Starting with Studio 5000 v36, the "TOD" block is changed to "TO_BCD".
- p. 373 Starting with Studio 5000 v36, the name of one of the move blocks has changed as follows:
- | | |
|---------------|---------------|
| V35 and older | V36 and newer |
| MOV | MOVE |
- p. 374 Figure 7.14 Starting with Studio 5000 v36, the "MOV" block is changed to "MOVE".
- p. 380 Fig. 7.22 SCALER block, input and output min and max are incorrect and should be:
InputMin = 0.0
InputMax = 100.0
OutputMin = 13107.0
OutputMax = 65535.0
- p. 395 Figure 7.37 Starting with Studio 5000 v36, the "LES" block is changed to "LT" and the "LEQ" block is changed to "LE".
- p. 398 Figure 7.40 Starting with Studio 5000 v36, the "MOV" block is changed to "MOVE".
- p. 408 Figure 7.45 Starting with Studio 5000 v36, the "GEQ" block is changed to "GE" and the "LES" block is changed to "LT".
- p. 409 Figure 7.46 Starting with Studio 5000 v36, the "MOV" block is changed to "MOVE".
- p. 417 P7-5, line 3, units should be °C
- p. 419 P7-11. Note that the ladder logic is converting from a percent open (0-100 range) to the analog output channel value. Also note that the relationship between the position and channel value are reversed.
- p. 420 P7-12. Note that the ladder logic is converting from a percent open (0-100 range) to the analog output channel value.
- p. 420 P7-13. Note that the ladder logic is converting from a frequency (0-60 range) to the analog output channel value.
- p. 421 P7-14. Note that the ladder logic is converting from a frequency (10-120 range) to the analog output channel value.
- p. 421 P7-15. Note that the ladder logic is converting from a frequency (20-400 range) to the analog output channel value.
- p. 421 P7-16. Note that the ladder logic is converting from a flow rate (100-2400 range) to the analog output channel value.
- p. 484 Figure 8.6 Starting with Studio 5000 v36, the "MOV" block is changed to "MOVE".
- p. 486 Figure 8.8 Starting with Studio 5000 v36, the "MOV" block is changed to "MOVE".

- p. 491 Figure 8.14 Starting with Studio 5000 v36, the "MOV" block is changed to "MOVE".
- p. 533 Figure 8.56 Starting with Studio 5000 v36, the "NEQ" block is changed to "NE" and the
"MOV" block is changed to "MOVE".