









Digest 173 Sections Revised through 2nd Quarter '04



Below are links to Digest product line sections revised or updated October '03 through June '04. Included are changes related to new products, revised pricing, technical corrections, and more. These sections contain the most accurate, up-to-date information available. They may also reflect new features, expanded product lines, and globalization efforts.

Section 1: Load Centers – Section 2: Metering – Section 3: Safety Switches –
Section 4: Power Monitoring & Control – Section 6: Circuit Breakers –
Section 7: Operating Mechanisms and Disconnect Switches –
Section 8: Panelboards – Section 10: Busway – Section 12: Transformers –
Section 13: Medical Products – Section 14: NEMA Contactors and Starters –
Section 16: IEC Style Contactors and Starters –
Section 17: Push Buttons & Operator Interface – Section 19: Limit Switches –
Section 20: Pressure, Vacuum, Temperature and Float Switches –
Section 21: Relays & Timers – Section 22: Terminal Blocks

Links: [Featured Products](#) — [CAD Drawings](#) — [Alphanumeric Price Search](#) —
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Section 1 - Load Centers	
 Page 1-1 Table of Contents	"and Riser" added to table of contents entry for QO and Homeline Value Pack and Riser Load Centers.
 Page 1-6 QO Load Centers	Riser table removed (info on page 1-7)
  Page 1-7 QO & Homeline Load Centers	Added new Value Pak Load Centers
 Page 1-8 QO Load Centers Accessories	Description of generator circuit breaker interlock kit revised.
 Page 1-9 QO & Homeline Load Centers Accessories. Voltage Testers	<ul style="list-style-type: none"> ▪ Description of generator circuit breaker interlock kit revised. ▪ Moved location of Voltage Testers table.
 Page 1-10 Homeline Load Centers Indoor—Single Phase, Main Lug, Main Circuit Breaker	Max number of tandem circuit breakers changed in the Convertible Mains — Factory-installed Main Lugs QOM2 Main Frame Size
 Page 1-11 Homeline Load Centers Rainproof Single Phase, Main Lug, Main Circuit Breaker	Added Convertible Mains Factory-installed Main Circuit Breaker QOM2 Main Frame Size

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Section 1 - Load Centers (cont.)	
 Page 1-12 QO and HOMELINE Load Centers Indoor Dimensions, Knockouts	Revised Knockouts sizes in large ampere boxes and added new wide gutter box dimensions
  Page 1-14 Combination Service Entrance Devices — Rainproof Single Phase, Meter-Mains	<ul style="list-style-type: none"> ▪ Added new 300 and 400 amp. CSED Devices. ▪ Corrected breaker catalog numbers and footnotes. ▪ Added footnote regarding overhead surface applications.
  Page 1-15 Combination Service Entrance Devices — Rainproof Single Phase, All-In-Ones	<ul style="list-style-type: none"> ▪ Added new 300 and 400 amp. CSED Devices. ▪ Corrected breaker catalog numbers and footnotes. ▪ Added footnote regarding overhead surface applications.
  Page 1-16 Combination Service Entrance Devices — Circuit Breakers, Accessories, Hubs	<ul style="list-style-type: none"> ▪ Revised star footnote ▪ Revised description for Ringless Type Utility Cover
  Page 1-17 Combination Service Entrance Devices — Dimensions	Added new 300 and 400 amp. CSED Devices.
 Page 1-18 Enclosed Molded Case Switches, Enclosed GFCI Circuit Breakers, Circuit Breaker Enclosures	Corrected footnotess and added QO--AFI circuit breakers to description
 Page 1-19 Air Conditioning Disconnects Voltage Testers	Added 2 Wire—240 Vac Maximum—with 20 A GFI receptacle & 2 Wire—240 Vac Maximum with 20 A duplex receptacle to the not fusible table
  Page 1-21 Multi-Link Structured Wiring System	<ul style="list-style-type: none"> ▪ Removed Pre-wiring with standard Cat-5 and RG-6 cables paragraph ▪ Corrected pricing for SDM18CW, SDM36CW
  Page 1-22 Multi-Link Structured Wiring System	<ul style="list-style-type: none"> ▪ Removed router hub. ▪ Added new wall plates

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Section 2 - Metering	
 Page 2-3 Horizontal Ganged Meter Sockets	Added new product, catalog number UT3R1122B
 Page 2-4 <ul style="list-style-type: none"> ▪ Individual Metering ▪ Horizontal Ganged Meter Sockets 	<ul style="list-style-type: none"> ▪ Caption in lower left corner corrected to read EMT1225CB and EMT3225CB instead of EMT1200CB and EMT3200CB. ▪ Added new enclosure Dimensions
 Page 2-6 MP Meter-Pak	Corrected catalog numbers in accessories table: MM200MB, MPL43225, MPL53225, MPL64225, MPL32-225, MPL53-225, and MPL64-225
 Page 2-8 EZM Metering	Added footnote to Square D Certified Ratings for Downstream Panelboards table.
 Page 2-9 EZM Metering	Corrected amperage information in EZ METER-PAK—Main Lugs Terminal Box Applications Protected By Remote Main table.
 Page 2-10 EZM Metering	Corrected wire size in Main Lugs Terminal Boxes table
 Page 2-11 EZM Metering	Corrected footnotes: <ul style="list-style-type: none"> ▪ Removed all black diamond footnotes ▪ Added black upside down triangle footnote
 Page 2-12 EZM Metering	<ul style="list-style-type: none"> ▪ Corrected wire size ▪ Black diamond footnote revised
 Page 2-13 EZM Metering	<ul style="list-style-type: none"> ▪ Added Black Star footnote ▪ Removed upside down black triangle footnotes.
 Page 2-14 EZM Metering	Corrected busway information -- EZ METER-PAK metering equipment is available for use in high rise applications for connection to 800 A–5000 A I-Line or I-Line II plug-in busway installed as a vertical riser.
 Page 2-15 EZM Metering	Corrected description on QO adapter

Section 2 - Metering (cont.)	
 Page 2-16 EZM Metering	Correction to depth on several items in Branch Devices dimension table

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Section 3 - Safety Switches	
 Page 3-2 General Duty Safety Switches	Added the following note: " 400A requires moving load base"
 Page 3-5 Heavy Duty Safety Switches	Added items to 2 Wire (2 Blades and Fuseholders)—600 Vac, 600 Vdc Horsepower rating table
 Page 3-9 Heavy Duty Safety Switches	Pricing corrections. Change B075, B100, B125, & B150 from \$23.20 to \$22.20. Change B200 from \$42.90 to \$40.90. Change B250 from \$71.00 to \$68.00. Change B300 from \$130.00 to \$124.00
 Page 3-10 Heavy Duty Safety Switches	Corrected wire range on neutral assemblies
 Page 3-11 Heavy Duty Safety Switches Accessories	Corrected description on Cover Viewing Window
 Page 3-12 Heavy Duty Safety Switches NEMA Type 1 and 3R – Dimensions, Lug Data	Added footnote on Terminal Lug Data and corrected series chart
 Page 3-13 Heavy Duty Safety Switches NEMA Types 4, 4X, 5, 7, 9 and 12 Dimensions, Lug and Conduit	Corrected series chart
 Page 3-15 Double Throw Safety Switches, 240 Volt	Added and corrected footnotes
 Page 3-16 Double Throw Safety Switches, 600 Volt	Corrected half shaded diamond and upside down open triangle footnotes

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Section 4 - Power Monitoring & Control	
 Pages 4-4 & 4-5 Power Meter/ Circuit Monitor	<ul style="list-style-type: none"> ▪ Removed References to IOC26 and IOC2222 ▪ Correct Pricing on PM8M22
 Page 4-6 Energy Meter, High Range	<ul style="list-style-type: none"> ▪ Table for the High Range meters removed, as will not be offering them.
 Pages 4-6 & 4-7 High Range Energy Meter and Submetering	<p>Removed Tables with High Range EM, Removed PowerShare Software Section Entirely. Removed reference to Palm IR software.</p>
 Page 4-9 The Power Server	<p>Catalog numbers changed to:</p> <ul style="list-style-type: none"> ▪ PWRSRV710 ▪ PWRSRV750 <p>Removed References to PowerServer Model 710. Correct Catalog Number for Power Server 750. Should be PWRSRV750 as it is loaded in Q2C.</p>
 Page 4-11 SMS Software	<ul style="list-style-type: none"> ▪ Deleted PowerServer 710 Reference ▪ Add new Version 4 Web-Enabled Software Reference
 Page 4-9 POWERLOGIC Ethernet Communications Card	<p>ECC21 photo and description added; also reference added to ECC21 on 4-4 and added reference on 4-5 to page 4-9</p>
 Page 4-18 3000 Series Controller (web-enabled) Remote Source Controller	<p>two new catalog numbers:</p> <ul style="list-style-type: none"> ▪ NF3000G3 3000 Series Controller (Web enabled) ▪ RSC16G3 Remote Source Controller
 Page 4-19 PowerLink G3 3000	<p>New Catalog number:</p> <ul style="list-style-type: none"> ▪ NF3000G3







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Section 6 - Circuit Breakers	
 <p>All Section 6 pages</p>	<p>The phrase "Continuous Current Rating" changed to "Current Rating" in all cases where it appears as a table heading. "Continuous" is an NEC term, which implies to customers that standard rated breakers are suitable for continuous application at their rating. They are not.</p>
 <p>Page 6-3 QOU Circuit Breakers</p>	<p>Removed 5 kA interrupting rating at 277 volts for QOU breakers. QOU breakers are not rated for 277 volts.</p>
 <p>Pages 6-6, 6-7, 6-27, 6-44, 6-50 M Frame Breaker</p>	<p>Addition of M Frame breakers to all pages. Moved MA, MH from page 7 to page 6.</p>
 <p>Page 6-8 Masterpact NT Circuit Breaker</p>	<p>Addition of NT-LF and NW-LF columns</p>
 <p>Page 6-9 Homeline</p>	<ul style="list-style-type: none"> ▪ Removed sales text ▪ Added new handle attachment.
 <p>Page 6-13 OEM Mounting Bases</p>	<p>Added new catalog numbers and corrected layout</p>
 <p>Page 6-17 MULTI 9 C60N UL 1077 Supplementary Protectors and UL 489A Circuit Breakers for DC Telecommunications</p>	<p>The table heading indicates 120/240 for the UL 1077 rated C60N products. They are rated at 480Y/277. Bullets above are correct; but table heading is misleading and too restrictive. Perhaps it was intended to be a bullet item and not a table heading.</p>
 <p>Page 6-21 PowerPact Q Frame Breakers</p>	<p>The footnote for the PowerPact Q frame breakers states that the standard lug accepts 14 AWG to 300 kcmil cable. It should be # 4 to 300kcmil.</p>
 <p>Page 6-28 MICROLOGIC Trip Units</p>	<p>The reference to Temperature Indication is incorrect. It was deleted from the list (third bullet from the bottom under Micrologic (Power) 5.0P and 6.0P Trip Units), and from the table of features.</p>
 <p>Page 6-41 and 6-42 Powerpact</p>	<p>Addition of M Frame breakers, deletion of shunt trip and price changes on both pages.</p>

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Section 6 - Circuit Breakers (cont.)	
 Page 6-43 Mechanical Lugs	<ul style="list-style-type: none"> ▪ Upright solid triangle should make no reference to Powerpact P frame; note only applies to R frame. ▪ Standard lug kit for an 800A PG I-Line breaker clarified. It showed both the AL800M23K and the AL800P6K as standard. There is no breaker listed in the "Optional" column for either of these lug kits.
 Page 6-45 Masterpact NT circuit breaker	<p>Revision to referenced catalog document number and corrections to NW and NT ratings charts</p>
 Page 6-47 Vigirex Ground-fault Relay	<ul style="list-style-type: none"> ▪ Replaced 33573 with 56053 ▪ Replaced 33574with 56054 ▪ Added asterisk to POA; Add asterisk to GOA; ▪ Added footnote under Sensor table: * Not UL recognized ▪ Also added detailed settings of Delay and Sensitivity
 Page 6-52 Circuit Breaker Enclosures	<p>Added prices for factory installed ground bars</p>
 Page 6-53 Enclosed Molded Case Circuit Breakers	<p>Corrected price alignment with catalog number</p>
 Page 6-55 through 6-60 H and J Frame Breakers	<p>New pages added to cover the H and J Frame breakers</p>










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Section 7 - Operating Mechanism & Disconnect Switches	
 Page 7-2 Manual Motor Control Switches	<p>Identification System at top of page shows the GU enclosure type as having an IP65 rating. Changed to IP55.</p>
 Page 7-6 IEC Style Disconnect Switches	<p>In the last table on the left side of the page, there are four references to GS1EERU20. The 30 Amp, 3-Pole, Class CC catalog number changed to GS1EERU30. Below that, in the description, it reads " for GS1EERU20 and GS1EERU20" this changed to "for GS1EERU20 and GS1EERU30.</p>
 Page 7-7 IEC Style Disconnect Switches	<p>Pistol Handles for Standard GS1 and LK3</p> <ul style="list-style-type: none"> ▪ Now Reads: GS1 30 A thru 100 A and Lk3 60 A thru 100A. Added (3" Handles). Now reads: GS1 30 A thru 100A and LK3 60 A thru 100A (3" Handles) ▪ Now Reads: GS1 200 A thru 400 A and LK3 200A. Added (5" handles) Now reads: GS1 200A thru 400 A and LK3 200 A (5" Handles)

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Section 7 - Operating Mechanism & Disconnect Switches (cont.)





 <p>Page 7-8 IEC Style Disconnect Switches</p>	<p>The descriptions for the two, side mounted auxiliary contacts are incorrect. Catalog number GS1AN22 description should be "2 N.O. & N.C. Contact Block (max of two blocks - any mix)"; GS1ANT22 should be "2 N.O. & N.C. Contact Block w/Test (max of two blocks - any mix)"</p>
 <p>Page 7-9 IEC Style Disconnect Switches</p>	<ul style="list-style-type: none"> ▪ Dimension corrected ▪ Lower handle for the GS1DDU3 and GS1DU3 has a 5.0 dimension. Changed to read 3.0 and 76.2 mm.
 <p>Page 7-10 IEC Style Disconnect Switches</p>	<ul style="list-style-type: none"> ▪ Dimension corrected ▪ Handle for the GS1EU3/GS1GU3 30 A/60 AJ has a 5.0 dimension. Changed to read 3.0 and 76.2 mm ▪ Handle for the GS1JU3, GS1 100A J has a 5.0 dimension. Changed to read 3.0 and 76.2 mm
 <p>Page 7-11 IEC Style Disconnect Switches</p>	<ul style="list-style-type: none"> ▪ Dimension corrected ▪ Handle for the LK3GU3/LK3JU3, LK3 60 A/ 100A has a 5.0 dimension. Changed to read 3.0 and 76.2 mm.
 <p>Page 7-13 Door Mounted Operating Mechanisms</p>	<p>Footnote under table "Electrical Interlock Kits Class 9999" changed to read "Not used with GJL, NAL, NCL, NEL, NXL, NSF, NSJ, POWERPACT C, OR POWERPACT D mechanisms; use field-installable circuit breaker interlocks instead."</p>
 <p>Page 7-20 Flexible Cable Mechanisms</p>	<p>The Flexible Cable Mechanisms for Use with Square D Circuit Breakers table at the bottom of the page has some information missing. The last two columns with the heading "Cable Mechanisms with A1 Handle For Types 1, 3, 3R, 12" should include Type 4. Change heading to "Cable Mechanisms with A1 Handle For Types 1, 3, 3R, 4, 12".</p>
 <p>Page 7-20 Bracket Mounted Disconnect Devices</p>	<p>Electrical Interlock Kits - class 9999 currently reads: Optional accessory for use with circuit breaker operating mechanisms listed to the left, except GJL. Changed to read Optional accessory for use with circuit breaker operating mechanisms listed to the left and the flexible cable mechanisms listed below, except GJL.</p>
 <p>Page 7-21 Flexible Cable Mechanisms</p>	<p>Information updated in the Flexible Cable Mechanisms for Use with MERLIN GERIN Circuit Breakers paragraph at the top of the page. The first sentence in this paragraph reads; "For use with MC circuit breakers and Class 9422 A handle operators". Change this sentence to read; For use with MG circuit breakers and Class 9422 Type A handle operators listed on page 7-17.</p>
 <p>Page 7-22 NEMA Style Operating Mechanism</p>	<p>The circuit breaker operating mechanism for MAL and MHL breakers states the Frame Size as 1000 amps. This is incorrect, as the MAL breaker is a 1200A frame breaker. Change the rating in the column headed "Frame Size (Amps)" to 1200.</p>

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Section 8 - Panelboards	
 All Section 8 pages	<p>The phrase "Continuous Current Rating" changed to "Current Rating" in all cases where it appears as a table heading. "Continuous" is an NEC term, which implies to customers that standard rated breakers are suitable for continuous application at their rating. They are not.</p>
 Pages 8-6 & 8-8 NQOD panels	<p>The references to QB,QD,QG,QJ in the Main Circuit Breaker Adapter Kits table changed to "QBL,QDL,QGL,QJL "</p>
 Page 8-25 I-LINE Panel breakers	<ul style="list-style-type: none"> ▪ The QO header changed to read, "Order QO plug-on circuit breakers from Section 6 and QO bolt-on circuit breakers from Section 8." ▪ In the second table on the left side of the page the upper row's contents rearranged to have the data (FA14035A etc.) in the "1-pole" column.
 Pages 8-22, 23, 24, 29, 32, 33 MG and MJ branch breakers added into I-LINE	<p>Substantial changes to add MG and MJ branch breakers into I-LINE:</p> <ul style="list-style-type: none"> ▪ Pages 8-22 and 8-23: added MG and MJ branch breakers into I-LINE schematic sketches ▪ Page 8-24: Added new sub feed lug kit, correct error ▪ Page 8-29: Added attached branch breakers sentences 8-32 and 8-33: Add MG and MJ to existing charts
 Page 8-35 QMB Fusible Switches	<p>Under catalog number QMB60R and QMB36R, catalog number HRK1020 added, with the price 31.80.</p>

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Section 10 - Busway	
 Page 10-2, 10-3 PowerBus 225	<p>Clarified all "configurations" to indicate Ground ("G") and show 'empty' bar spaces</p>
 Page 10-3 PowerBus 225 Plug-In Units	<p>Wording changed in 120 V Factory assembled units—1-pole QO/QOB circuit breakers with NEMA 5-15R or 5-20R receptacles table.</p>
 Page 10-5 I-LINE II Busway 800 A-5000. 3Ø4W with Integral Ground Bus	<ul style="list-style-type: none"> ▪ Bulbar configuration illustration revised. ▪ In 3Ø4W table, part number AF2310GLFM12 changed to AF2510GLFM12
 Page 10-9 Plug-In Units Class 5615, 5630	<ul style="list-style-type: none"> ▪ Photo at top left of page corrected ▪ Circuit Breaker Type--Standard Interrupting Capacity table revised

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Section 12 - Transformers	
 Page 12-2 Single Phase Units	Single Phase Units- Second group. <ul style="list-style-type: none"> ▪ 1.5 kVa part number reads: 3S1F ▪ Should read: 1.5 kVa 1.5S1F
 Page 12-4 Watchdog Low Temperature Rise Transformers	Watchdog Low Temperature Rise Transformers <ul style="list-style-type: none"> ▪ Third and last tables changed from 4-2.5%2+4- to read: 6-2.5% 2+4- ▪ All taps on these transformers should read 6-2.5%2+4-
 Page 12-6 Dry Type 600 Volts and Below K-Rated	Second column-all of the part numbers in this section should not be bold. (Bold means stock) <ol style="list-style-type: none"> 1. Under K-4-copper windings 150° C rise: <ul style="list-style-type: none"> ▪ Change enclosure on part number 15T3HISCUNL from 18D to 17D 2. Under k-13-copper windings, 150° C rise <ul style="list-style-type: none"> ▪ Change enclosure on part number 15T3HISCUNLP from 18D TO 17D ▪ Change enclosure on part number 15THISCUNLP from 22D to 21D 3. Under K-4 Rated - Cooper Windings, 115°C rise: <ul style="list-style-type: none"> ▪ Change enclosure on part number 15T3HFISCUNL from 18D to 17D. 4. Under k-13-copper windings 115°C Rise: <ul style="list-style-type: none"> ▪ Change enclosure on part number 15T3HFISCUNLP from 18D to 17D
 Page 12-8 NEMA 4X Single Phase	Under the NEMA 4X Single Phase Table: changed 7 7S40F4XSS to read: 7.5 7S40F4XSS









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Section 13 - Medical Products	
 Page 13-1 Table of Contents	CIC number corrected, from 800-SquareD to 888-SquareD

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Section 14 - NEMA Contactors and Starters

 Page 14-2 Manual Starters	<p>Header modified to indicate this is a 16A rated starter.</p>
 Page 14-3 2510 Manual Switches	<p>Header modified to indicate this is a 30A rated switch.</p>
 Page 14-6 Manual Starters	<ul style="list-style-type: none"> ▪ The UL File numbers referenced at the bottom of the page are incorrect. "All Except NEMA 7 & 9" should be UL File # E42243, CCN remains the same. "NEMA 7 & 9 Only" should be UL File # E 58760, CCN NPXZ. ▪ The black, triangle footnote second sentence reads, "NEMA 4X, 7 & 9 enclosures ...". The reference to 4X deleted, so the sentence now reads, "NEMA 7 & 9 enclosures....".
 Page 14-9 Manual Starters and Switches	<ul style="list-style-type: none"> ▪ Under "Modifications (Type M & T only) at the bottom left side of the page, under the triangle footnote for Form P11, the example catalog number changed from 2510NBG1V02P11 to 2510MBG1V02P11. ▪ The enclosures table at the bottom right side of the clarified: 9991EN1 applies only to Types F and K; 9991MG1 applies only to Types M-Sizes M0 & M1; 9991MG2 applies only to Type M-Size M1P; 9991FE1 applies only to Types FO; 9991KE1 applies only to Types KO
 Page 14-13 8502 NEMA contactors	<p>The NEMA 1 column heading includes the phrase, "Div. 1 & 2". This is incorrect and was deleted.</p>
 Page 14-15 8536 Starters	<ul style="list-style-type: none"> ▪ Footnotes at very bottom of page tweaked. Example catalog numbers changed from Class 8502 to 8536 for both the black star and black upside down triangle. ▪ Inserted a statement that Form S must be specified for 120V. Currently, this is only noted for the 24V footnote
 Page 14-16 NEMA Starters	<ul style="list-style-type: none"> ▪ For the black triangle footnote, include the following statement: Sizes 5 through 7 NEMA 12 enclosures do not carry the dual NEMA 12/3R rating. They are NEMA 12 only. ▪ Black diamond footnote at bottom of table uses incorrect sample catalog number. Change 8502 to 8536.
 Page 14-17 8536 Starters	<ul style="list-style-type: none"> ▪ Footnotes at very bottom of page tweaked. Example catalog numbers changed from Class 8502 to 8536 for both the black star and black upside down triangle. ▪ Inserted a statement that Form S must be specified for 120V. Currently, this is only noted for the 24V footnote.

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Section 14 - NEMA Contactors and Starters (cont.)

 <p>Page 14-18 8536 Starters</p>	<p>Black triangle footnote at bottom of table uses incorrect sample catalog number. Change 8502 to 8536.</p>
 <p>Page 14-19 8536 Starters</p>	<p>Footnotes at very bottom of page tweaked. Example catalog numbers changed from Class 8502 to 8536 for the black upside down triangle.</p>
 <p>Page 14-21 8502/8536 Dimensions</p>	<p>First table for open style 8502 and 8536; size 2; Type SDO; 2 & 3-pole - dimension A is incorrect. It should be 4 5/16, not 4 15/16.</p>
 <p>Page 14-26 Vacuum Contactors 8502 Type V</p>	<p>The selection table had some incorrect horsepower ratings and erroneously omitted voltages above 575V</p>
 <p>Pages 14-32, 14-33, 14-34, 14-37, 14-58 Combination Starters</p>	<p>The Circuit Breaker Adjustment Range column heading reads (See page 6-26...). The page number is incorrect; changed to 6-34.</p>
 <p>Page 14-34 Combination Starters-NEMA Rated</p>	<p>Second footnote in middle of page ending with Form G28 (\$285. adder) Please delete (\$285. adder)</p>
 <p>Page 14-69 8903 Lighting Contactors</p>	<p>Clarification is required to the Power Pole kit table. LO60 & LXO60 - add 1-pole kits only, 1 on each side, for converting to 8-pole. To maintain proper operation, it cannot be converted to greater than 8-pole contactor. LO80 & LXO80 - use single-pole kits, 1 on each side, for converting to 10-pole and use two-pole kits, 1 on each side, for converting to 12-pole. LO1000 & LXO1000 - remove existing single pole kit and install two-pole kits, 1 on each side, for converting to 12-pole.</p>
 <p>Page 14-73 Lighting Control</p>	<p>The AC Coil Voltage Codes table corrected; 120 V02 / 208 V38 changed to 120/208 V38</p>
 <p>Page 14-74 8903 Factory Modifications</p>	<p>Form G4 is valid only for Standard Mechanically Held contactors. Therefore, there should be a check mark only in the Used On, Std., Mech. Held. column while the other 4 columns are to be blank.</p>
 <p>Page 14-75 Lighting Control Field Mod</p>	<p>This catalog number for the Internal Operator Mounting Bracket, Form G53, is wrong all across the page. Change it to 3010215901.</p>

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Section 14 - NEMA Contactors and Starters (cont.)

 <p>Page 14-78 NEMA 4/4X Lighting Control</p>	<p>The NEMA 4/4X dimensions shown on this page are for stainless steel enclosures only. Make a note of this fact and add a footnote to use the size 2 NEMA 4/4X dimensions on page 14-22 for the glass polyester enclosures. (In the next printing of the digest, it would be preferable to have these dimensions printed on this page rather than have the user turn to another page for them.)</p>
 <p>Page 14-89 Well-Guard Pump Panel</p>	<p>Part Winding Type Combination Fusible disconnect Type. The fifth catalog number from the top was listed as MG3VO3. changed to read MG3MV03.</p>
  <p>Page 14-98 Thermal Overload Relays</p>	<ul style="list-style-type: none"> ▪ The "solid black box" (with number of poles) and the associated footnote removed. ▪ Deleted the single pole non-compensated DA and GA overloads, as these are obsolete. Added DA2 and GA2 to the Compensated table for the size 00,0,1 and the 2 respectively.
 <p>Page 14-100 Thermal Overload Relays</p>	<p>At the top of the page there are 2 dimensional drawings that reference the same catalog numbers; they're both labeled as "Types 9065SEO9 and 9065SEO9B2". The one at the top left relabeled "Types 9065SEO6 and SEO6B2".</p>
 <p>Page 14-109 Factory Modifications</p>	<p>Form G12, Change list price to \$20.00 (twice on the page).</p>
 <p>Page 14-111 Factory Modifications</p>	<p>Middle of the page. Under Special Note for Class 8810 devices: Single Winding, 460V, Constant Horsepower changed to read: Single Winding, 460 V, Constant or Variable Torque.</p> <p>In Form Description paragraph, Catalog Number to Order: 8810SFO1V02 FORM S H20 H202 corrected to read 8810SFO1V02FORM S H202 H20</p>
 <p>Page 14-112 Factory Modifications</p>	<p>Form G50 and G56 - these are now available in increments of 5 only. Wording changed in the ordering example in the footnote.</p>
 <p>Page 14-113 Factory Modifications</p>	<p>Forms K35 and K36 are obsolete. Removed</p>
 <p>Page 14-116 Factory Modifications</p>	<p>Form G50 and G56 - these are now available in increments of 5 only. Wording changed in the ordering example in the footnote.</p>

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Section 14 - NEMA Contactors and Starters (cont.)

 <p>Page 14-119 Magnetic Coils</p>	<ul style="list-style-type: none"> ▪ The AC Coil Voltage Codes table corrected; 120 V02 / 208 V38 changed to 120/208 V38 ▪ In the Replacement Coil for 8903 Panel Board...at the bottom of the page, the 120 V 9998PBV02 doesn't exist. Deleted and the voltage for the 9998PBV38 changed to 120/208 V.
 <p>Page 14-120 Replacement Parts Kits</p>	<p>Replacement contact added to the 9998 selection tables.</p>
 <p>Page 14-120 8910 Definite Purpose Contactors</p>	<p>Class 8910, 8911, 8965 Replacement Contacts table. For the DRC9 kit, changed DPA_80A to DPA_90A. For the DRC12 kit, changed DPA_90A to DPA_120A.</p>
 <p>Page 14-121 Replacement Parts Kits</p>	<p>In the paragraph at the top of the page, the third line reads, "...Class 9065 Type M melting...". Delete reference to Type M so that it reads, "...Class 9065 melting alloy...".</p>
 <p>Page 14-125 Factory Modifications</p>	<p>9999 SK3 and SK4 are obsolete. Deleted the Timer Attachment table.</p>
 <p>Page 14-130 Thermal Unit Selection</p>	<p>The thermal unit selection chart: footnote symbol added to Size 5, Series B, with a corresponding footnote with the following instructions; "Divide the motor FLC by 60 and use this quotient to select the appropriate thermal units."</p>
 <p>Page 130 Thermal Unit Selection</p>	<p>Under Class 8536, Type SH: Series B added</p>
 <p>Page 131 Thermal Unit Selection</p>	<p>Under Class 8536, Type SH: Series B added</p>
 <p>Page 14-131 Thermal Unit Selection</p>	<p>The thermal unit selection chart: footnote symbol added to Size 5, Series B, with a corresponding footnote with the following instructions; "Divide the motor FLC by 60 and use this quotient to select the appropriate thermal units."</p>

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Section 14 - NEMA Contactors and Starters (cont.)

 <p>Page 14-133 Factory Modifications</p>	<p>(R17x) has changed. Reference to R17x deleted. Only 4 and 8 pole relays available.</p> <p>Add:</p> <ul style="list-style-type: none"> ▪ R174 (NEMA 1,12) \$323 all sizes ▪ R174 (NEMA 4,4X) \$494 all sizes ▪ R174 (NEMA 7,9) \$494 sizes 0-5 ▪ R178 (NEMA 1,12) \$494 all sizes ▪ R178 (NEMA 4,4X) \$741 all sizes ▪ R178 (NEMA 7,9) \$741 sizes 0-5 <p>Delete Form K and replace with:</p> <ul style="list-style-type: none"> ▪ K25 - On delay - .1 sec to 1 min \$798 NEMA 1 all sizes; \$1,044 NEMA 3R, 4, 4X, 12 all sizes; \$1044 NEMA 7/9 sizes 0 - 5, sizes 6 - 7 Not available. ▪ K26 - Off delay - .1 sec to 1 min \$798 NEMA 1 all sizes; \$1,044 NEMA 3R, 4, 4X, 12 all sizes; \$1044 NEMA 7/9 sizes 0 - 5, sizes 6 - 7 Not available. ▪ K37 - On delay - 1 - 3 min \$798 NEMA 1, 3R, 4, 12 all sizes; \$798.00 NEMA 4X, 7/9 sizes 0 - 5, sizes 6 - 7 Not available. ▪ K38 - Off delay - 1 - 3 min \$798 NEMA 1, 3R, 4, 12 all sizes; \$798.00 NEMA 4X, 7/9 sizes 0 - 5, sizes 6 - 7 Not available. <ul style="list-style-type: none"> ▪ Form K1 - replace by the K10xx form. ▪ Form G911, G913, G914 - no longer available. ▪ Form Y31 - obsolete, use G13 in its place.
 <p>Page 14-137 Thermal Unit Selection Table</p>	<p>The last thermal unit in selection table 27 is wrong. For 41.6 - 45.0 amps, the correct thermal unit is AR94, not AR93.</p>








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Section 16 - IEC Contactors & Starters

 <p>Page 16-2 Enclosed Combination Starters</p>	<ul style="list-style-type: none"> ▪ In the voltage code table, the 480V 60Hz code is T6, not Q5. Secondly, the star footnote symbol added to voltage codes M5 and T7 because this voltage codes are not available for LC1D40 - LC1D150 contactors. Thirdly, the star footnote mistakenly read, "Not available for LC1D40-LC1D150". Changed to "Not available for LC1D40-LC1D150". ▪ Star symbol by voltage code is M5 (220V 50 Hz) added.
 <p>Page 16-2 IEC Contactors</p>	<ul style="list-style-type: none"> ▪ The picture of the LC1D115 contactor is of a pre-TeSys contactor. Changed to reflect the new TeSys design. ▪ The 4-Pole contactors table (second table) has omitted the LP1D40004 and LP1D40008 contactors. Add the LP1D catalog numbers to the table as we have for the D65 and D80 contactors.
 <p>Page 16-2 TeSys D-Line Contactors</p>	<ul style="list-style-type: none"> ▪ "... on LC.D09-D32 and LC.DT20-DT40 contactors only..." added to the second sentence in the black, square footnote. New sentence reads "For ring terminal configuration on LC.D09-D32 and LC.DT20-DT40 contactors only, add...." ▪ In the top table the 200v max horsepower rating for the LC1D80 should be 25hp not 30hp as shown.

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Section 16 - IEC Contactors & Starters (cont.)	
 Page 16-2 TeSys D-Line Contactors	<p>The LC1D18 incorrectly listed the Resistive AC1 Ampere rating as 35 amps. Corrected to 32 amps.</p>
 Page 16-4 IEC Reversing Contactors	<p>The picture on this page is mislabeled. Changed LC2D0901G6 to LC2D09.</p>
 Page 16-5 TeSys F-Line Reversing	<p>Under the example at the top of the page the auxiliary contacts should read LADN11, since we are slowly phasing out the LA1DN11 and no longer showing it in the digest.</p>
 Page 16-6 TeSys Auxiliary Contacts	<p>Two footnote errors corrected in first table:</p> <ul style="list-style-type: none"> ▪ The black star footnote for the first table reads, "1 block only can be mounted on the LC1/LP1 D25 and D32; 2 blocks can be mounted on the LC1/LP1 D40 to D80." This is incorrect. Change it to read, "A maximum of 2 blocks can be mounted on the LC1/LP1 D40 to D80." ▪ The upside-down triangle footnote reads "1 block may be added to each side of D-Line contactors". Change this to read "1 block may be added to the left side of the LC1D 09 to D32, AC Coils only; 1 block may be added to each side of the LC1D 40 to D80 contactors, AC coils only. Cannot be installed on D-Line contactors with DC coils." ▪ Reference in the table on the left column beside the LADN10 and LADN01 from LC*D25 to LC*D150 changed to read LC*D40 to D80)
 Page 16-6 TeSys Accessories	<p>For all tables except the Mechanical Latch block, "LP.D40 to D80" and "LC.DT20 to DT40 (4P)" added to each table in the columns headed Snap-On Mounting. See attached PDF.</p>
 Page 16-7 TeSys Accessories	<p>In the first table for the LAD4R** suppressors, "LC1DT20 to DT40 (4P)" added under the Mounting on column. In the second table for the LA4DE2* and LA4DE3* suppressors, mark the LA4DE2* voltages as AC and mark the LA4DE3* voltages as DC. Additionally delete the words "of wire" in the column headed Installed by: for the LA4DE3*. See attached PDF.</p>
 Page 16-7 IEC Coil Suppressors	<p>In the first table, the LAD4RCU shows an operating voltage of 110 - 120V. This is incorrect. Changed to 110 - 240V.</p>









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Section 16 - IEC Contactors & Starters (cont.)

 <p>Page 16-7 Accessories</p>	<p>The Varistor (second) table needs clarification. The first set of catalog numbers beginning with LAD need to be designated as for use with TeSys contactors. The column headed 'Mounting On' reads: "LC.D09 to D32". Change this to read: "LC.D09 to D32 TeSys Contactors". The second set of catalog numbers beginning with LA4D need to be designated as for use with pre-TeSys contactors. The column headed 'Mounting On' reads: "LC.D09 to D32". Change this to read: "LC.D09 to D32 pre-TeSys Contactors".</p>
 <p>Page 16-7 TeSys Accessories</p>	<ul style="list-style-type: none"> ▪ There is a resistor/capacitor suppressor missing from the first table. Add an LAD4RCG rated 50-127V to the top LC1D09 to LC1D32 (3P) group. ▪ The varistor (second) table clarified. The first set of catalog numbers beginning with LAD designated as for use with TeSys contactors. The column headed 'Mounting On' reads: <ul style="list-style-type: none"> ▪ "LC.D09 to D32" ▪ Change this to read: ▪ "LC.D09 to D32 TeSys Contactors" ▪ The second set of catalog numbers beginning with LA4D designated as for use with pre-TeSys contactors. The column headed 'Mounting On' reads: <ul style="list-style-type: none"> ▪ "LC.D09 to D32" ▪ change this to read: ▪ "LC.D09 to D32 pre-TeSys Contactors" ▪ In the bottom table, "Cabling Accessories", under the column headed "Mounting on", added "AC Only" to this description.
  <p>Page 16-8 TeSys D-Line Contactor Accessories</p>	<p>The Electronic Serial Timer Modules table at the top of the page indicates these accessories can be used with the LP1D09-D32 contactors for 24-250V AC or DC. Add a footnote to specify these contactors are the Pre-TeSys style contactors.</p>
 <p>Page 16-8 TeSys D-Line Contactor Accessories</p>	<p>Selection table, Electronic Serial Timer Modules list (3) part number for "OFF-DELAY" (LA4DR0U, LA4DR2U, LA4DR4U). These modules are obsolete and not longer available.</p>
 <p>Page 16-9 TeSys Accessories</p>	<p>In the first section of this page, add LC1DT20, LC1DT25, LC1DT32, and LC1DT40 to the list of contactors. Then add "LADT9R1", "LADT9R1V", "Not Available", and "Included with Kit" straight across the next line under the Mechanical Interlock and Power Connections portion.</p> <p>In the second section of this page, change LC1D65 to "LC1D/LP1D65".</p> <p>In the third section of this page, the first line for LC1D80 should be changed to "LC1D80 AC". Then add "LA9D50978", "LA9D4002" under the Mechanical Interlock and Power Connections portion, on the same line as and before the LA9D8069 and LA9D8070. Add "LC1D80 DC" directly under that line and add "LA9D80978", "LA9D8002", "LA9D8069", AND "LA9D8070" across the line.</p> <p>In the fourth section of this page, delete the entire first line. Add LC1D115 to the information for the LC1D150 and add "(4P)" to the LA9D11570 catalog number to clarify this is the 4P kit.</p>
 <p>Page 16-10 Accessories</p>	<p>The first table contains a catalog number LA9P3 as a 3-pole (wye-delta shorting strap) for an LC1D09-D32. This is incorrect. Changed this to an LAD9P3.</p>









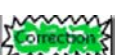

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Section 16 - IEC Contactors & Starters (cont.)	
 <p>Page 16-15 D-Line AC Coils</p>	<p>The first table on the left titled "For LC1D09-D32 (TeSys) Contactors" retitled to include the LC1DT20-DT40 contactors. It should read, "For LC1D09-D32, LC1DT20-DT40 (TeSys) Contactors, and CAD Relays".</p>
 <p>Page 16-15 Enclosed Combination Starters</p>	<p>In the top, left table for LC1D09-D32 TeSys Contactors, the 60V coil should be LXD1EE7, not LXD1LE7. And the 208V coil should be LXD1LE7, not LXD1LL7.</p>
 <p>Page 16-15 Repair Parts</p>	<p>The bottom replacement coil selection table for the LC1D25, D32 contactors should include the following note: "For old style contactors where the catalog number includes the auxiliary contact arrangement (ex: LC1D2510F7)".</p>
 <p>Page 16-16 Repair Parts</p>	<ul style="list-style-type: none"> ▪ Top left table titled " LC1D40, D50, D65, D80" needs to have the following note added for clarification purposes: "For old style and new TeSys style contactors where the catalog number may or may not include the auxiliary contact arrangement. (ex: LC1D4010F7 or LC1D40F7)" / Top right table titled "LC1D115, D150" needs to have the following note added for clarification purposes; "For old style and new TeSys style contactors where the catalog number may or may not include the auxiliary contact arrangement; (ex: LC1D11500F7 or LC1D115F7)" ▪ Top right table titled " LP1D40, D50, D65" needs to have the following additions for clarification purposes: "For LP1D40, D50, D65 and LC1D40, D50, D65" "For old style and new TeSys style contactors where the catalog number may or may not include the auxiliary contact arrangement. (ex. LP1D4011BD or LC1D40BD)". Lower right table titled " LP1D80" needs to have the following additions for clarification purposes: "For LP1D80 and LC1D80" "For old style and new TeSys style contactors where the catalog number may or may not include the auxiliary contact arrangement (ex. LP1D8011BD or LC1D80BD)".
 <p>Page 16-16 F-Line Repair parts</p>	<p>The black diamond footnote at the bottom of the F-line replacement coil table reads: "Also requires rectifier DR5TE4U, \$72.00 list price." Change this to read: "Also requires rectifier DR5TE4U for 110V - 240V coils, DR5TE4S for 380V - 440V coils. See table below for pricing."</p>
 <p>Page 16-19 TeSys Overload Relays</p>	<ul style="list-style-type: none"> ▪ The second table, Mounting Kits and Plates, on this page clarified (the column headed <i>For use with overload relays:</i>). ▪ Footnote added for all the "mounting plates" (DX1AP25, DX1AP36, & LA7D902) as follows: "When using mounting plates, separate mounting kits are also required."
 <p>Page 16-19 Accessories</p>	<p>The photo is correctly captioned but the "Stop button locking device " is incorrectly listed as a LA7D01 instead of a LA7D901</p>
 <p>Page 16-22 TeSys Overload Relays</p>	<p>Overload relay in the upper left corner of the page is erroneously identified as LR9D5.69. Changed to LR9F5.71.</p>










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Section 16 - IEC Contactors & Starters (cont.)

 <p>Page 16-24 TeSys Dimensions</p>	<p>There are several small errors on this page.</p> <ol style="list-style-type: none"> Table at top left shows qty. 2 dimension "b1". The first b1 should be changed to b and change "add-on blocks" to "top-mounted accessories". <ul style="list-style-type: none"> Table at top right: title of table shows LC1DT20 to DT60 (4-pole). Change it to LC1DT20 to DT40 (4-pole). Change column headed "D253 and DD323" to "D253 and D323". Change column headed "DT32 to DT60" to "DT32 to DT40". Change column headed "DT323 to DT603" to "DT323 to DT403". Under the LC1D40 etc. sketch the depth dimension of 6.50" (at the bottom) lists (LA2,LA3,LA6 DK2) and it should read (LA2, LA3, LA6 DK1)
 <p>Page 16-25 Approximate Dimensions TeSys D-Line</p>	<ul style="list-style-type: none"> In the first row, the table on the right corrected with TeSys catalog numbers. In the second row, the 6.85" dimension had Di2 and Di3 in parentheses. Revised to LA4D.2. The table to the right corrected with TeSys catalog numbers.
 <p>Page 16-26 TeSys Dimensions</p>	<p>Table at top right has an error. Column headed "D25 to DD38" should be changed to "D25 to D38".</p>
 <p>Page 16-27 TeSys Reversing Contactors</p>	<p>Dimensional drawing at top right side of page: dimension B for contactors D80 and D95 is converted to inches incorrectly. Change 11.0 to 5.0 (same as line directly above it).</p>
  <p>Page 16-33 Enclosed TeSys Starters</p>	<ul style="list-style-type: none"> Price of catalog number LE1D093A6(1)(2)(3)(4)(5)(6) changed from \$155.00 to \$109.00. Corrected some horsepower ratings.
  <p>Page 16-34 Enclosed TeSys Starters</p>	<ul style="list-style-type: none"> Corrected some horsepower ratings.
 <p>Pages 16-33 & 16-34 Enclosed Combination Starters</p>	<ul style="list-style-type: none"> Type 12/3R tables revised. Note under second table deleted: Note: Control Power Transformers are not available when using DC. Also, modify Contactor Coil Voltage Table deleting DC row, and deleting voltages 48, 110, 125, 220, 250, and 440, also under this same table delete 5 = 50 Hz.
 <p>Pages 16-33, 16-34, & 16-36 Enclosed Starters</p>	<ul style="list-style-type: none"> Changes made to pages 33 and 34 concerning how we list the auxiliary contacts in the reversing set of contactors. page 36 has a correction to the top, right drawing labeling.










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Section 16 - IEC Contactors & Starters (cont.)	
 Page 16-35 Enclosed Combination Starters	<ul style="list-style-type: none"> ▪ connection from terminal 14 to 96 deleted ▪ The Start/Stop Push Button w/Green-Red Pilot light is shown as factory modification A06G. This is incorrect. (A06G appears at the top of the selection table as a Start/Stop Push Button). The correct code is A06V. ▪ deleted Forward-Reverse-Stop drawing at lower left of page
 Page 16-35 Enclosed Combination Starters	<p>New InstaKit added to table</p>
 Page 16-35 IEC Instakit	<p>Price corrected to \$97.00</p>
 Page 16-36 Enclosed TeSys Starters	<p>The non-combination starter dimensions table at the bottom of the page corrected. In the "Non-reversing" column, changed D09-D25 to D09-32; changed D32-50 to D40-65; changed D65-80 to D80.</p>
 Page 16-38 TeSys K-Line Contactors	<p>The Low Consumption table at the bottom of the page has the last two sets of numbers transposed. The contactors with slip-on connections are supposed to end in 7 while the ones with solder pin connections are supposed to end in 5. The LP5K12105, LP5K12015, LP5K12107, & LP5K12017 are in the wrong place.</p>
 Page 16-39 TeSys K-Line	<ul style="list-style-type: none"> ▪ Removed the word "Reversing" from the page title. The 4-pole contactors are not considered reversing and this page listed standard 4-pole contactors as well as mechanically interlocked contactors. ▪ The picture of the LC2K mechanically interlocked contactor is beside the non-interlocked 4-pole contactor table; this creates confusion. Move it down to be beside the second table listing the mechanically interlocked contactors.
 Page 16-40 TeSys D-Line Contactor Accessories	<p>The LA4KE1UG suppressor module has a voltage range of 130 - 250 Vac and dc, not 201 to 250.</p>
 Page 16-43 U-Line Starters	<ul style="list-style-type: none"> ▪ In the "Configuring a U-Line Motor Starter" area, changed the 1 thru 5 to read Step 1 thru Step 5. ▪ Changed call outs on picture to read Step 1, Step 2, etc.
 Page 16-44 TeSys U-Line Motor Starters	<ul style="list-style-type: none"> ▪ Added a "Step 1." to the left of the Power Bases header for customer convenience to understand the 5 part building block concept . ▪ Added the following comment beside the term Power Bases: " - Refer to page 16-43 for all 5 steps.") Also in the pyramid footnote at the bottom correct (LU9M32. ...) to read (LU6MB0.) ▪ Delete the second and fourth tables from this page ("...For Use in High Density PLC Cards..." - these products will not be developed. ▪ LUS130 is an invalid number. Changed to LUS120.

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Section 16 - IEC Contactors & Starters (cont.)

 <p>Page 16-45 TeSys U-Line</p>	<ul style="list-style-type: none"> ▪ Add a "Step 2." to the left of the Control Units header for customer convenience to understand the 5 part building block concept . ▪ Added the following comment beside the term Power Bases: " - Refer to page 16-43 for all 5 steps."
 <p>Page 16-46 TeSys U-Line</p>	<ul style="list-style-type: none"> ▪ Added a "Step 3." to the left of the Function Modules header for customer convenience to understand the 5 part building block concept ▪ Added the following comment beside the term Power Bases: " - Refer to page 16-43 for all 5 steps.") ▪ Added a "Step 4" to the auxiliary contact function modules on this page.
 <p>Page 16-46 TeSys U-Line Motor Starters</p>	<p>LUFV1 will not be offered, removed from Digest.</p>
 <p>Page 16-47 TeSys U-Line</p>	<ul style="list-style-type: none"> ▪ Added a "Step 4." to the left of the Auxiliary Contact Blocks header for customer convenience to understand the 5 part building block concept . ▪ Added the following comment beside the term Power Bases: " - Refer to page 16-43 for all 5 steps.")
 <p>Page 16-48 TeSys U-Line</p>	<ul style="list-style-type: none"> ▪ The first catalog number in the first table is wrong. Changed the control circuit contact block catalog number from LUABE20 to LUA8E20. ▪ Added a "Step 5." to the left of the Power Base Accessories header for customer convenience to understand the 5 part building block concept. ▪ Added the following comment beside the term Power Bases: " - Refer to page 16-43 for all 5 steps.")
 <p>Page 16-51 TeSys LS1 Fuseholder</p>	<p>The last catalog number in the first table, LS1DT32 is invalid and its description is wrong. Changed the description to "Screw clamp terminals, 4-pole" to "Auxiliary Main Pole Adder" and changed the catalog number to LA8D324. Additionally, a footnote added to this new number which reads, "Can be mounted on left-hand or right-hand side of the 3-pole LS1D32 block."</p>
 <p>Page 16-51 Fuse Blocks</p>	<p>Fuse data corrected</p>
 <p>Page 16-52 Accessories</p>	<p>The middle table titled "Auxiliary Contact Blocks" clarified: Under description column for the first three rows it read: Instantaneous auxiliary contacts; Fault signaling contact + instantaneous auxiliary contact; Short circuit signaling contact. Change to: Instantaneous auxiliary contacts GV2; Fault signaling contact + instantaneous auxiliary contact GV2; Short circuit signaling contact GV2</p>
 <p>Page 16-52 GV Starter Accessories</p>	<ul style="list-style-type: none"> ▪ In the Auxiliary Contact Blocks table, delete the black star symbol from the Front Mounting Location. Insert a new symbol and footnote stating: "Cannot be used with GV2GH7 insulator". ▪ All of the footnotes for this table were incorrect and have been updated.

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Section 16 - IEC Contactors & Starters (cont.)













 Page 16-53 GV2 Starter Accessories	<ul style="list-style-type: none"> Added a footnote symbol and footnote that reads, "Cannot be used with front-mounted auxiliary contact block". List price on GV2GH7 changed to 10.00 (from 10.40)
 Page 16-56 TeSys GV7	In the last table, Wiring Accessories, we list the Phase Barrier as a GV7AC06. The correct number is a GV7AC04. (The GV7AC06 is the LC1F115-F185 busbar and cover, two lines down.)
 Page 16-59 TeSys Wiring Components	In the second table, Power Connection Components for One Starter, the LAD35 has been changed to LAD351.
 Page 16-60 Accessories, AK5 Panel Busbar System	Footnote under the bottom (busbar) table deleted, as catalog is obsolete: "For spacings on other devices see Catalog 2520CT9501R6/97 ." Reference to Catalog # 8502CT0101 for additional information is still valid.

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Section 17 - Push Button & Operator Interface

 Section 17, all pages Push Buttons	Catalog section 9001CT0301 is referenced on most pages in section 17. This catalog has not been released yet -- 9001CT0001 is the current version.
 Page 17-3 Push Button XB4 - XB5 22mm	<ul style="list-style-type: none"> BLACK - Start Push Button should read, BLACK - Start Push Button (flush head) RED - Stop Push Button should read, RED - Stop Push Button (extended head) UR Logo removed and CE Marking referenced
 Page 17-15 XB4 22mm	<p>Maximum Contact Block usage</p> <ul style="list-style-type: none"> first line of table - Push Buttons and Selectors (non-Illuminated) remove words <i>and selectors</i>. Insert line in table. Selector switches (non-Illuminated) 6 blocks <p>Specific Characteristics of Protected LED Light Module Only.</p> <ul style="list-style-type: none"> 24V: 19.2 to 30 vdc, 21.6 to 26.4 Vac instead or 24.6 Vac
 Page 17-32 Push Button XB4 22mm	<ul style="list-style-type: none"> New footnote added after "Plastic guards" in the Description column, "For additional information, reference publication 0106HO9802R8/03." Lamp caption to drawing in left margin -- Lamp part number should be DL1CE*
 Page 17-34 XB5 22mm	<p>Maximum Contact Block usage</p> <ul style="list-style-type: none"> first line of table - Push Buttons and Selectors (non-Illuminated) remove words <i>and selectors</i>. Insert line in table. Selector switches (non-Illuminated) 6 blocks <p>Specific Characteristics of Protected LED Light Module Only.</p> <ul style="list-style-type: none"> 24V: 19.2 to 30 Vdc, 21.6 to 26.4 Vac instead or 24.6 Vac


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Section 17 - Push Button & Operator Interface (cont.)	
 Page 17-35 Push Button XB5 22mm	Flush operators with 1 N.O. and 1 N.C. incorrectly listed as XB5AA** = (XB5AZ105 + XB5AA*) change to: <ul style="list-style-type: none"> ▪ (ZB5AZ105 + ZB5AA*) ▪ XB5AL45 should be ZB5AZ105 + ZB5AL4
 Page 17-37 Push Buttons - XB5 22mm	Part number XB5AW14A5 is not a good number. Number changed to read XB5AW14B5.
 Page 17-51 XB5 22mm Legend Plates	Last 4 part numbers are wrong <ul style="list-style-type: none"> ▪ ZBY5002 should be ZBY05002 ▪ ZBY5004 should be ZBY05004 ▪ ZBY5001 should be ZBY05001 ▪ ZBY5005 should be ZBY05005
 Page 17-53 Push Buttons XB5 22mm accessories	ZB5AZ901 -- in the application section for the tool, change the word "screw" to "mounting nut"
 Page 17-55 9001 KA Contact Blocks	The 9001KA contact block family has an error in the ratings we claim on page 17-55. Here it states our contacts are A600-P600. This is wrong, they are A600-Q600 .
 Page 17-56 Push Buttons - Class 9001 Type K- 30mm	The Diamond symbol should be removed from the color column to the left of these devices; KR4RHk, KR24RHk, KR5RHk, KR25RHk.
 Page 17-57 Push Buttons - Class 9001 Type K- 30mm	In the half filled circle footnote line, the RO (letter) 5 has been changed to R0 (number zero) 5.
 Page 17-111 Accessories DL1BEBS	The lamp is 4 Watts for 24 Vac/dc, 5 Watts for the other listed voltages.
 Pages 17-59, 17-61, 17- 63 9001K keyed selector switches key options	The Star footnote text amended as follows: " Additional keys are available at no extra cost." Changed to read "Other key changes are available at no extra cost."
 Page 17-115 Push Buttons - Class 9001 Type BW	Contact symbol 100 changed to reflect that it has one NO contact per push button with 4 terminals on each.
 Page 17-82 Push Buttons - Class 9001 Type K and SK - 30mm	Drawing referred to is D30052-287 shown in the left column. Sketch of the legend orientation showing position 1 and 2 added.
 Page 17-66 Selector Push Button	Note added above Right and FD columns for the KQ18 that this device is "Maintained". Footnote stating: maintained in right position only added. Function in the right position is similar to a turn to release action.



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Section 17 - Push Button & Operator Interface (cont.)	
 Page 17-93 Legend Plate table for push buttons or pilot lights	Entire table realigned for clarity.
 Page 17-109 Audible sounder units Illuminated Lens Units with Steady light	<ul style="list-style-type: none"> ▪ Deleted the horizontal line in the description column, between the line "90dB at 1m" and "Adjustable from 75-90 dB". Both devices are adjustable. ▪ AC/DC added to the Light Source and Voltage column
 Page 17-119 Push Buttons-Class 9001 Type SKYP Pendant Stations	Contact symbol 7 modified to show mechanical interlock to be consistent with the product description. The contact did not show the interlocking mechanically like contact block symbol # 10 at the bottom of the page symbol 7 should show that teeter-totter off to the left with the dotted line connection between both button symbols.




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Section 19 - Limit Switches	
 Page 19-19 Osiswitch Limit Switches	Very bottom left corner of page, under interchangeable cable gland. Plastic and metal switched.











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Section 20 - Pressure, Vacuum, Temperature and Float Switches	
 Page 20-15 Commercial Pressure Switches	In the Special Features and Modifications for Type G Devices table at the bottom of the page, the following comment was inserted after <i>Reverse Action</i> : "select pressure code from rev action table on p. 20-14"
 Page 20-16 Vacuum Switches	Vacuum code table moved for clarity.






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Section 21 - Relays & Timers	
 Page 21-5 NEMA Control Relays	AC Contact ratings - Add "for DC ratings, see pg. 21-6".
 Page 21-6 NEMA Control Relays	DC Contact ratings - Add "for AC ratings, see pg. 21-5".
 Page 21-8 TeSys relays	Add to the "Common Voltage Codes" area: "For replacement AC coils, see pg. 16-15 'For LC1D09-D32 TeSys Contactors' table" DC coils are not replaceable.

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Section 21 - Relays & Timers (cont.)	
 Page 21-19 Relay Sockets Accessories	Hold Down Strap Change -- new product 8501NH7
  Page 21-22 General Purpose Plug-In Timers	<ul style="list-style-type: none"> ▪ In Fixed Time Delay table - The off delay with power trigger type number should be JCK2F(XXXX)PT. ▪ 9050JCK Timers -- new product
 Page 21-23 IEC Type Electronic Timers RE7	<ul style="list-style-type: none"> ▪ Add the statement "These timers offer multi range timing from .05 to 300 hours, in 10 timing ranges." after the heading "Multi-Function Timers". ▪ In the Relay Output Column to the left of the RE7TP13BU, please add a "diamond" symbol behind the 2 C/O.
 Page 21-12 IEC Control Relays CA2K	Under Approximate dimensions on the left side, the 3rd header down , 2nd line should read (see page 22-16.....) not 22-15
 Page 21-19 Relay Sockets	CSA File number should be 211268 and NOT LR84913.
 Page 21-22 9050JCK timers	CSA File number should be 70120 and NOT LR60905
   Page 21-35 PHASEO DC Power Supply	<ul style="list-style-type: none"> ▪ The input voltage for the last product listing on the page changed from "100-240" to read "400-520.".Also, the list prices of the last three catalog numbers are incorrect as well. Correct listings; ABL7UPS24100 is \$569.; ABL7UPS24200 IS \$725.; ABL7UPS24400 is \$880. ▪ ABL7 -- new product , July 2004 ▪ Discount schedule changed to CP12

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Section 22 - Terminal Blocks	
  Page 22-18 Power Distribution Blocks Page 22-19 Fuse Holders Page 22-20 NEMA Type Terminal Blocks	All pricing corrected
 Page 22-19 Fuse Holders, Type FB-Class 9080 600 Volt--Class H Only--(Copper Only)	Deleted single pole from 100 Amp Rating
  Page 22-21 Cable Ends	Corrected discount Schedule from "CP" to "I"

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