



**FILE LAYOUT**  
**FOR**  
**810 EDI TRANSACTION**  
**(OUTBOUND)**  
**VERSION 4010**

**OVERVIEW**

**PURPOSE OF TRANSACTION** – Outbound (Hubbell to Trading Partner) Invoice

**VERSION** – Version 1

**SUPPLIER** – Hubbell Incorporated  
584 Derby Milford Road  
Orange, CT 06477  
1-800-HUBBELL (482-2355)

**TECHNICAL CONTACT** – Hubbell Service Desk 1-800-HUBBELL

**APPLICABLE STANDARDS** – ANSI X.12, Versions 3060 – 5010  
Electro-Industry EDI-Pro

**VERSION CONTROL**

| Date of Change | Segment Changed | Element Changed | Position Number | DESCRIPTION OF CHANGE |
|----------------|-----------------|-----------------|-----------------|-----------------------|
|                |                 |                 |                 |                       |
|                |                 |                 |                 |                       |

**810 LAYOUT**

**HEADER**

|     |                             |
|-----|-----------------------------|
|     |                             |
|     | ENVELOPE AREA               |
|     |                             |
| ISA | INTERCHANGE CONTROL HEADER  |
| GS  | FUNCTIONAL GROUP HEADER     |
|     |                             |
|     | HEADER AREA                 |
|     |                             |
| ST  | TRANSACTION SET HEADER      |
| BIG | BEGINNING RECORD            |
|     |                             |
| NTE | NOTE/MESSAGE                |
| CUR | CURRENCY                    |
| REF | REFERENCE NUMBER            |
| PER | CONTACT INFORMATION         |
|     |                             |
| N1  | NAME                        |
| N2  | ADDITIONAL NAME             |
| N3  | ADDRESS                     |
| N4  | CITY, STATE, ZIP            |
|     |                             |
| ITD | TERMS OF SALE               |
| DTM | DATE/TIME REFERENCE         |
| FOB | F.O.B. RELATED INSTRUCTIONS |
|     |                             |
|     |                             |

| DETAIL AREA   |                              |
|---------------|------------------------------|
|               |                              |
| IT1           | LINE ITEM INFORMATION        |
| CTP           | PRICING INFORMATION          |
| PID           | ITEM DESCRIPTION             |
|               |                              |
| SUMMARY AREA  |                              |
|               |                              |
| TDS           | TOTAL MONETARY AMOUNT        |
| CAD           | CARRIER DETAILS              |
| SAC           | ALLOWANCE/CHARGE INFORMATION |
| ISS           | INVOICE SHIPMENT SUMMARY     |
| SE            | TRANSACTION SET TRAILER      |
|               |                              |
| ENVELOPE AREA |                              |
| GE            | GROUP SET TRAILER            |
| IEA           | INTERCHANGE TRAILER          |
|               |                              |

**'ISA' - INTERCHANGE CONTROL HEADER**

**PURPOSE:** To indicate the start of an EDI interchange and assign a control number

| Segment ID | DESCRIPTION                              | USAGE | TYPE | CHAR  | VALUES |
|------------|--|-------|------|-------|--------|
| ISA01      | AUTHORIZATION INFORMATION QUALIFIER      | M     | ID   | 2/2   |        |
| ISA02      | AUTHORIZATION INFORMATION                | M     | AN   | 10/10 |        |
| ISA03      | SECURITY INFORMATION QUALIFIER           | M     | ID   | 2/2   |        |
| ISA04      | SECURITY INFORMATION                     | M     | AN   | 10/10 |        |
| ISA05      | INTERCHANGE ID QUALIFIER                 | M     | ID   | 2/2   |        |
| ISA06      | INTERCHANGE SENDER ID                    | M     | AN   | 15/15 |        |
| ISA07      | INTERCHANGE ID QUALIFIER                 | M     | ID   | 2/2   |        |
| ISA08      | INTERCHANGE RECEIVER ID                  | M     | AN   | 15/15 |        |
| ISA09      | INTERCHANGE DATE                         | M     | DT   | 6/6   |        |
| ISA10      | INTERCHANGE TIME                         | M     | TM   | 4/4   |        |
| ISA11      | INTERCHANGE CONTROL STANDARDS IDENTIFIER | M     | ID   | 1/1   |        |
| ISA12      | INTERCHANGE CONTROL VERSION NUMBER       | M     | ID   | 5/5   |        |
| ISA13      | INTERCHANGE CONTROL NUMBER               | M     | N0   | 9/9   |        |
| ISA14      | ACKNOWLEDGEMENT REQUESTED                | M     | ID   | 1/1   |        |
| ISA15      | USAGE INDICATOR                          | M     | ID   | 1/1   |        |
| ISA16      | COMPONENT ELEMENT SEPARATOR              | M     |      | 1/1   |        |

**'ISA' - INTERCHANGE CONTROL HEADER**

**PURPOSE:** To indicate the start of an EDI functional group and assign a control number.

| Segment ID | DESCRIPTION                | USAGE | TYPE | CHAR | VALUES                              |
|------------|----------------------------|-------|------|------|-------------------------------------|
| GS01       | FUNCTIONAL IDENTIFIER CODE | M     | ID   | 2/2  |                                     |
| GS02       | APPLICATION SENDERS CODE   | M     | AN   | 2/15 | See division conversion sheet below |
| GS03       | APPLICATION RECEIVERS CODE | M     | AN   | 2/15 |                                     |
| GS04       | DATE                       | M     | DT   | 8/8  |                                     |
| GS05       | TIME                       | M     | TM   | 4/8  |                                     |
| GS06       | GROUP CONTROL NUMBER       | M     | N0   | 1/9  |                                     |
| GS07       | RESPONSIBLE AGENCY CODE    | M     | ID   | 1/2  |                                     |
| GS08       | VERSION IDENTIFIER CODE    | M     | AN   | 1/12 |                                     |
|            |                            |       |      |      |                                     |

**'ST'- TRANSACTION HEADER**

**PURPOSE:** To indicate the start of an EDI transaction set group and assign a control number.

| Segment ID | DESCRIPTION               | USAGE | TYPE | CHAR | VALUES |
|------------|---------------------------|-------|------|------|--------|
| ST01       | TRANS. SET I.D. NUMBER    | M     | ID   | 3/3  | 810    |
| ST02       | TRANS. SET CONTROL NUMBER | M     | AN   | 4/9  |        |
|            |                           |       |      |      |        |



**'BIG' - BEGINNING RECORD FOR INVOICE**

**PURPOSE:** To identify the beginning of the invoice transaction set.

| Segment ID | DESCRIPTION           | USAGE | TYPE | CHAR | VALUES  |
|------------|-----------------------|-------|------|------|---|
| BIG01      | INVOICE DATE          | M     | ID   | 2/4  |   |
| BIG02      | INVOICE NUMBER        | M     | AN   | 1/30 |   |
| BIG03      | PO DATE               | M     | ID   | 2/2  |   |
| BIG04      | PO NUMBER             |       |      |      |   |
| BIG05      | RELEASE NUMBER        |       |      |      |   |
| BIG06      | CHANGE ORDER SEQ NUM  |       |      |      |   |
| BIG07      | TRANSACTION TYPE CODE |       |      |      | CN - CREDIT INVOICE<br>CR - CREDIT MEMO<br>DI - DEBIT INVOICE<br>DR - DEBIT MEMO<br>PR - PRODUCT (OR SERVICE) |
|            |                       |       |      |      |   |
|            |                       |       |      |      |   |

**'NTE'- NOTE / SPECIAL INSTRUCTIONS**

**PURPOSE:** To transmit information in a free form format.

| Segment ID | DESCRIPTION         | USAGE | TYPE | CHAR | VALUES |
|------------|---------------------|-------|------|------|--------|
| NTE01      | NOTE REFERENCE CODE | O     | ID   | 3/3  |        |
| NTE02      | DESCRIPTION         | M     | AN   | 1/80 |        |
|            |                     |       |      |      |        |

**'CUR'- CURRENCY**

**PURPOSE:** To specify the currency used in the transaction.

| Segment ID | DESCRIPTION            | USAGE | TYPE | CHAR | VALUES                                     |
|------------|------------------------|-------|------|------|--|
| CUR01      | ENTITY IDENTIFIER CODE | M     | ID   | 2/2  | SE - SELLING PARTY                         |
| CUR02      | CURRENCY CODE          | M     | DT   | 8/8  | USD - U.S. DOLLAR<br>CAD - CANADIAN DOLLAR |
|            |                        |       |      |      |  |

**'REF'- REFERENCE NUMBERS**

**PURPOSE:** To specify the currency used in the transaction.

**PURPOSE:** To specify identifying information.

| Segment ID | DESCRIPTION              | USAGE | TYPE | CHAR | VALUES            |
|------------|--------------------------|-------|------|------|-------------------|
| REF01      | REFERENCE ID QUALIFIER   | O     | ID   | 2/3  | PR - QUOTE NUMBER |
| REF02      | REFERENCE IDENTIFICATION | O     | AN   | 1/30 |                   |
|            |                          |       |      |      |                   |

**'PER'- ADMINISTRATIVE COMMUNICATIONS CONTACT**

**PURPOSE:** To identify a person (office) to whom administration communications should be directed.

| Segment ID | DESCRIPTION                       | USAGE | TYPE | CHAR | VALUES               |
|------------|-----------------------------------|-------|------|------|----------------------|
| PER01      | CONTACT FUNCTION CODE             | O     | ID   | 2/2  | CN - GENERAL CONTACT |
| PER02      | NAME                              | O     | AN   | 1/60 |                      |
| PER03      | COMMUNICATION NUMBER<br>QUALIFIER | X     | ID   | 2/2  |                      |
| PER04      | COMMUNICATION NUMBER              | X     | AN   | 1/80 |                      |
| PER05      | COMMUNICATION NUMBER<br>QUALIFIER | X     | ID   | 2/2  |                      |
| PER06      | COMMUNICATION NUMBER              | X     | AN   | 1/80 |                      |
|            |                                   |       |      |      |                      |
|            |                                   |       |      |      |                      |

**'N1'- NAME**

**PURPOSE:** To identify a party by type of organization, name and code

| Segment ID | DESCRIPTION                      | USAGE | TYPE | CHAR | VALUES   |
|------------|----------------------------------|-------|------|------|--|
| N101       | ENTITY IDENTIFIER<br>QUALIFIER   | M     | ID   | 2/3  | BY - BUYING PARTY<br>RE - REMIT TO PARTY<br>SE - SELLING PARTY<br>SF – SHIP FROM |
| N102       | NAME                             | M     | AN   | 1/60 |  |
| N103       | IDENTIFICATION CODE<br>QUALIFIER | O     | ID   | 1 /2 |  |
| N104       | IDENTIFICATION CODE              | O     | AN   | 2/80 |  |
|            |                                  |       |      |      |  |

**'N2' - ADDITIONAL NAME INFORMATION**

**PURPOSE:** To specify additional names.

| Segment ID | DESCRIPTION | USAGE | TYPE | CHAR | VALUES |
|------------|-------------|-------|------|------|--------|
| N201       | NAME        | O     | AN   | 1/60 |        |
| N202       | NAME        | O     | AN   | 1/60 |        |
|            |             |       |      |      |        |

**'N3' - ADDRESS INFORMATION**

**PURPOSE:** To specify the location of the named party.

| Segment ID | DESCRIPTION    | USAGE | TYPE | CHAR | VALUES |
|------------|----------------|-------|------|------|--------|
| N301       | ADDRESS LINE 1 | O     | AN   | 1/55 |        |
| N302       | ADDRESS LINE 2 | O     | AN   | 1/55 |        |
|            |                |       |      |      |        |



**'N4' - GEOGRAPHIC LOCATION**

**PURPOSE:** To specify the geographic place of the named party.

| Segment ID | DESCRIPTION | USAGE | TYPE | CHAR | VALUES |
|------------|-------------|-------|------|------|--------|
| N401       | CITY        | O     | AN   | 2/30 |        |
| N402       | STATE       | O     | ID   | 2/2  |        |
| N403       | ZIP CODE    | O     | ID   | 3/15 |        |
|            |             |       |      |      |        |

**'ITD'- TERMS OF SALE**

**PURPOSE:** To specify the terms of sale.

| Segment ID | DESCRIPTION                | USAGE | TYPE | CHAR | VALUES |
|------------|----------------------------|-------|------|------|--------|
| ITD01      | TERMS TYPE CODE            | O     | ID   | 2/2  |        |
| ITD02      | TERMS BASIS DATE CODE      | O     | ID   | 1/ 2 |        |
| ITD03      | TERMS DISCOUNT PERCENT     | O     | R    | 1/6  |        |
| ITD04      | TERMS DISCOUNT DUE DATE    | O     | DT   | 8/8  |        |
| ITD05      | TERMS DISCOUNT DAYS DUE    | O     | N0   | 1/3  |        |
| ITD06      | TERMS NET DUE DATE         | O     | DT   | 8/8  |        |
| ITD07      | TERMS NET DAYS             | O     | N0   | 1/3  |        |
| ITD08      | TERMS DISCOUNT AMOUNT      | O     | N2   | 1/10 |        |
| ITD09      | TERMS DEFERRED DUE DATE    | O     | DT   | 8/8  |        |
| ITD10      | DEFERRED AMOUNT DUE        | O     | N2   | 1/10 |        |
| ITD11      | PERCENT OF INVOICE PAYABLE | O     | R    | 1/5  |        |
| ITD12      | DESCRIPTION                | O     | AN   | 1/80 |        |
|            |                            |       |      |      |        |
|            |                            |       |      |      |        |
|            |                            |       |      |      |        |
|            |                            |       |      |      |        |

**'DTM' - DATE/TIME REFERENCE**

**PURPOSE:** To specify pertinent dates and times.

| Segment ID | DESCRIPTION         | USAGE | TYPE | CHAR | VALUES          |
|------------|---------------------|-------|------|------|-----------------|
| DTM01      | DATE/TIME QUALIFIER | M     | ID   | 3/3  | 011 - SHIP DATE |
| DTM02      | DATE                | M     | DT   | 8/8  |                 |
|            |                     |       |      |      |                 |

**'FOB'- F.O.B. RELATED INSTRUCTIONS**

**PURPOSE:** To specify transportation instructions relating to shipment.

| Segment ID | DESCRIPTION                         | USAGE | TYPE | CHAR | VALUES  |
|------------|-------------------------------------|-------|------|------|---|
| FOB01      | SHIPMENT METHOD OF PAYMENT          | O     | ID   | 2/2  | CC - COLLECT<br>PC - PREPAID BUT CHARGED TO CUSTOMER<br>PP - PREPAID BY SELLER<br>PU - PICKUP |
| FOB02      | LOCATION QUALIFIER                  | O     | ID   | 1/ 2 | DE - DESTINATION (SHIPPING)<br>OR - ORIGIN (SHIPPING POINT)                                   |
| FOB03      | DESCRIPTION                         | O     | AN   | 1/80 |   |
| FOB04      | TRANSPORTATION TERMS QUALIFIER CODE | O     | ID   | 2/2  | 02 – TRADE TERMS CODE   |
|            |                                     |       |      |      |   |

**'IT1' - ITEM DATA**

**PURPOSE:** To specify order identification detail information for the invoice.

| Segment ID | DESCRIPTION           | USAGE | TYPE | CHAR | VALUES  |
|------------|-----------------------|-------|------|------|---|
| OID01      | LINE NUMBER           | M     | AN   | 1/20 |   |
|            | QUANTITY INVOICED     | M     | R    | 1/10 |   |
|            | UNIT OF MEASURE       | M     | ID   | 2/2  |   |
|            | UNIT PRICE            | M     | R    | 1/17 |   |
|            | BASIS UNIT PRICE CODE | M     | ID   | 2/2  |   |
|            | PRODUCT ID QUALIFIER  | M     | ID   | 2/2  | PN - PART NUMBER<br>VC - VENDOR CATALOG<br>NUMBER<br>VN - VENDOR ITEM<br>NUMBER |
|            | PRODUCT ID            | M     | AM   | 1/48 |   |
|            | PRODUCT ID QUALIFIER  | M     | ID   | 2/2  | UI - UPC NUMBER<br>UP - UPC NUMBER  |
|            | PRODUCT ID            | M     | AM   | 1/48 |   |
|            | PRODUCT ID QUALIFIER  | O     | ID   | 2/2  | CB - BUYER'S CATALOG<br>NUMBER<br>IN - BUYER'S ITEM<br>NUMBER                   |
|            | PRODUCT ID            | O     | AM   | 1/48 |   |
|            |                       |       |      |      |   |
|            |                       |       |      |      |   |

**'CTP' - PRICING INFORMATION**

**PURPOSE:** To specify pricing information.

| Segment ID | DESCRIPTION           | USAGE | TYPE | CHAR | VALUES |
|------------|-----------------------|-------|------|------|--------|
| CTP01      | CLASS OF TRADE CODE   | O     | ID   | 2/2  |        |
| CTP02      | PRICE QUALIFIER CODE  | X     | ID   | 3/3  |        |
| CTP03      | UNIT PRICE            | X     | R    | 1/17 |        |
| CTP04      | QUANTITY              | X     | R    | 1/15 |        |
| CTP05      | UNIT OF MEASURE CODE  | X     | ID   | 2/2  |        |
| CTP06      | PRICE MULTIPLIER CODE | X     | ID   | 3/3  |        |
| CTP07      | PRICE MULTIPLIER      | X     | R    | 1/10 |        |
|            |                       |       |      |      |        |
|            |                       |       |      |      |        |

**'PID' - ITEM DESCRIPTION**

**PURPOSE:** To describe product in free form format.

| Segment ID | DESCRIPTION           | USAGE | TYPE | CHAR | VALUES        |
|------------|-----------------------|-------|------|------|---------------|
| PID01      | ITEM DESCRIPTION TYPE | M     | ID   | 1/1  | F - FREE FORM |
| PID05      | DESCRIPTION           | M     | AN   | 1/80 |               |
|            |                       |       |      |      |               |

**'TDS' - TOTAL MONETARY AMOUNTS**

**PURPOSE:** To specify total invoice discounts and amounts.

| Segment ID | DESCRIPTION                         | USAGE | TYPE | CHAR | VALUES |
|------------|-------------------------------------|-------|------|------|--------|
| TDS01      | TOTAL INVOICE AMOUNT                | M     | N2   | 1/15 |        |
| TDS02      | AMOUNT SUBJECT TO<br>TERMS DISCOUNT | O     | N2   | 1/15 |        |
| TDS03      | TOTAL DISCOUNT AMOUNT               |       | N2   | 1/15 |        |
|            |                                     |       |      |      |        |



**'CAD' - CARRIER INFORMATION**

**PURPOSE:** To specify transportation details for the transaction.

| Segment ID | DESCRIPTION                    | USAGE | TYPE | CHAR | VALUES |
|------------|--------------------------------|-------|------|------|--------|
| CAD04      | STANDARD CARRIER ALPHA<br>CODE | O     | ID   | 2/4  |        |
| CAD05      | ROUTING                        | O     | AN   | 1/35 |        |
|            |                                |       |      |      |        |

**'SAC' - ALLOWANCE/CHARGE INFORMATION**

**PURPOSE:** To specify allowances and charges.

| Segment ID | DESCRIPTION                    | USAGE | TYPE | CHAR | VALUES |
|------------|--------------------------------|-------|------|------|--------|
| SAC01      | ALLOWANCE/CHARGE INDICATOR     | M     | ID   | 1/1  |        |
| SAC02      | ALLOWANCE/CHARGE CODE          | O     | ID   | 4/4  |        |
| SAC03      | AGENCY QUALIFIER CODE          | O     | ID   | 2/2  |        |
| SAC05      | ALLOW/CHARGE TOTAL AMOUNT      | O     | N2   | 1/15 |        |
| SAC08      | ALLOWANCE/CHARGE RATE          | O     | R    | 1/9  |        |
| SAC012     | ALLOWANCE/CHARGE HANDLING CODE | O     | ID   | 2/2  |        |
| SAC15      | DESCRIPTION                    | O     | AM   | 1/80 |        |
|            |                                |       |      |      |        |
|            |                                |       |      |      |        |
|            |                                |       |      |      |        |
|            |                                |       |      |      |        |

**ISS - INVOICE SHIPMENT SUMMARY**

**PURPOSE:** To specify the total items shipped in terms of quantity, weight and volume.

| Segment ID | DESCRIPTION     | USAGE | TYPE | CHAR | VALUES |
|------------|-----------------|-------|------|------|--------|
| ISS01      | UNITS SHIPPED   | X     | R    | 1/10 |        |
| ISS02      | UNIT OF MEASURE | X     | ID   | 2/2  |        |
| ISS03      | WEIGHT          | X     | R    | 1/10 |        |
| ISS04      | UNIT OF MEASURE | X     | ID   | 2/2  |        |
| ISS05      | VOLUME          | X     | R    | 1/8  |        |
| ISS06      | UNIT OF MEASURE | X     | ID   | 2/2  |        |
|            |                 |       |      |      |        |
|            |                 |       |      |      |        |
|            |                 |       |      |      |        |

**'CTT' - TRANSACTION TOTALS**

**PURPOSE:** To transmit hash totals for a specific element in the transaction set.

| Segment ID | DESCRIPTION                     | USAGE | TYPE | CHAR | VALUES |
|------------|---------------------------------|-------|------|------|--------|
| CTT01      | NUMBER OF LINE ITEMS            | M     | N0   | 1/6  |        |
| CCT02      | HASH TOTALS (TOTAL QTY ORDERED) | M     | R    | 1/10 |        |
|            |                                 |       |      |      |        |

**'SE' - TRANSACTION SET TRAILER**

**PURPOSE:** To indicate the end of a transaction set and provide a count of transmitted segments.

| Segment ID | DESCRIPTION                 | USAGE | TYPE | CHAR | VALUES |
|------------|-----------------------------|-------|------|------|--------|
| SE01       | NUMBER OF INCLUDED SEGMENTS | M     | N0   | 1/10 |        |
| SE02       | TRANSACTION SET CONTROL NBR | M     | AN   | 4/9  |        |
|            |                             |       |      |      |        |

**'GE' - FUNCTIONAL GROUP CONTROL TRAILER**

**PURPOSE:** To indicate the end of a functional group and provide control number information.

| Segment ID | DESCRIPTION                          | USAGE | TYPE | CHAR | VALUES |
|------------|--------------------------------------|-------|------|------|--------|
| GE01       | NUMBER OF INCLUDED FUNCTIONAL GROUPS | M     | N0   | 1/6  |        |
| GE02       | GROUP CONTROL NBR                    | M     | N0   | 1/9  |        |
|            |                                      |       |      |      |        |

**'IEA' - INTERCHANGE CONTROL TRAILER**

**PURPOSE:** To indicate the end of an interchange and provide control number information.

| Segment ID | DESCRIPTION                          | USAGE | TYPE | CHAR | VALUES |
|------------|--------------------------------------|-------|------|------|--------|
| IEA01      | NUMBER OF INCLUDED FUNCTIONAL GROUPS | M     | N0   | 1/5  |        |
| IEA02      | INTERCHANGE CONTROL NBR              | M     | N0   | 9/9  |        |
|            |                                      |       |      |      |        |

**Hubbell Divisional Conversion Factors**

| Hubbell Division                         | Divisional DUNS Number |
|--|------------------------|
| Hubbell Power Systems<br>(all divisions) | 048265974              |
| Bryant Electric                          | 001183078              |
| Premise Wiring                           | 615975620              |
| Wiring Device Kellems                    | 067068759              |
| Building Automation                      | 185308095              |
| Hubbell Canada                           | 200321057              |
| Raco-Bell                                | 005105994              |
| Wiegmann                                 | 006302764              |
| Killark Electric                         | 006278261              |
| Hubbell Lighting<br>(except Progress)    | 058913294              |
| Progress Lighting                        | 188168124              |
| Hipotronics                              | 002015030              |
| GAI-Tronics                              | 002324473              |
| Pulsecom                                 | 783691413              |
| ICD -<br>Industrial Controls Division    | 188176499              |
| Gleason                                  | 151871597              |
|  |                        |