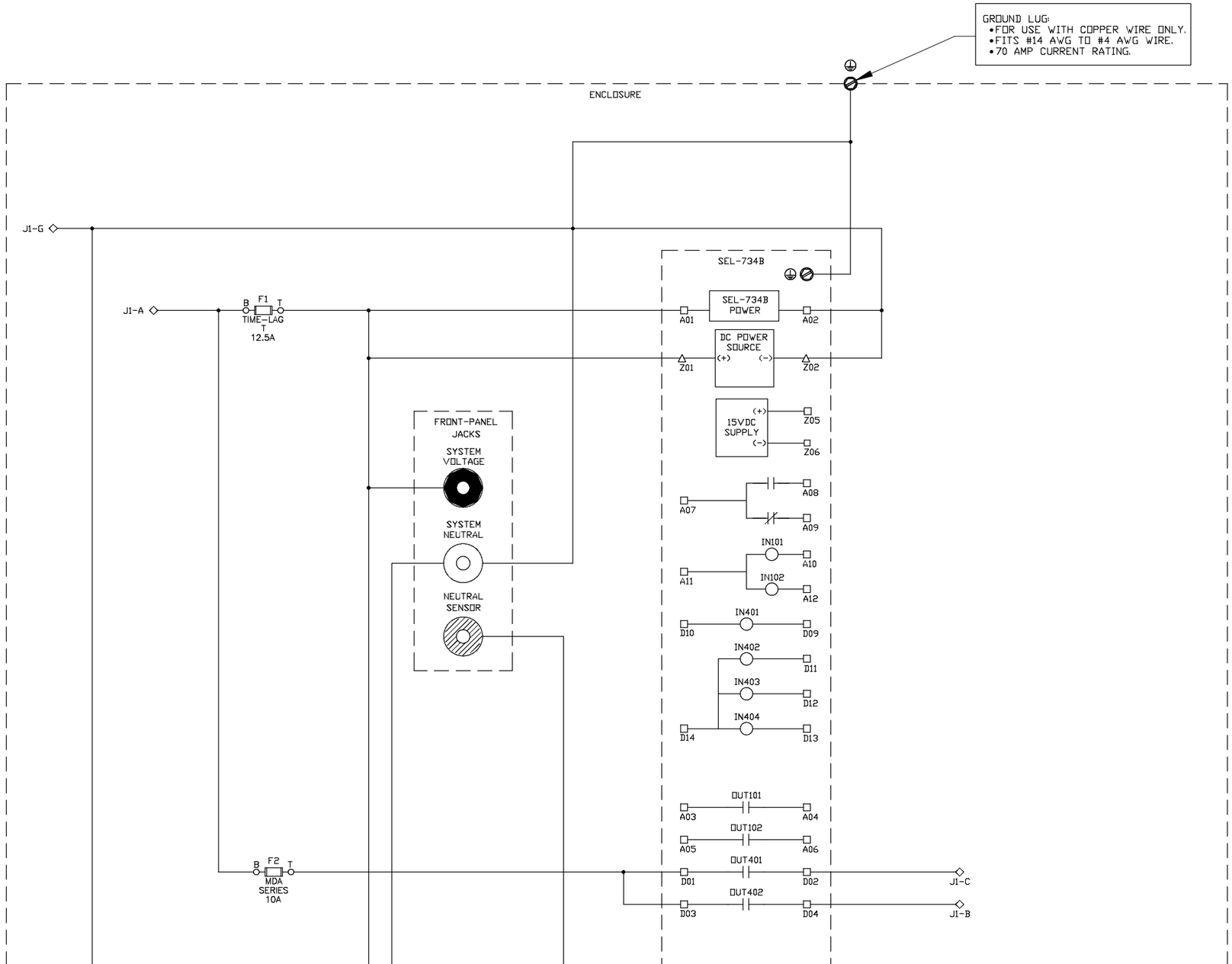
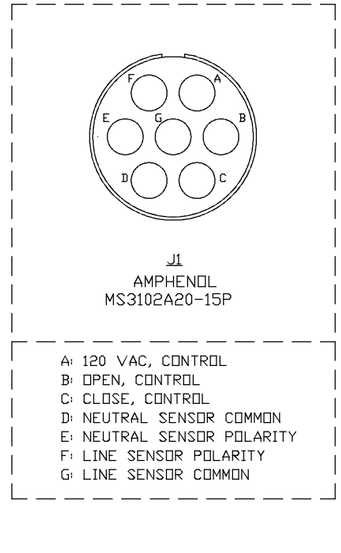



NOTE:

1: SEE ADDITIONAL WIRING NOTES ON SHEET 2 AND ALSO LISTED ON LABEL ATTACHED TO THE INSIDE OF THE ENCLOSURE.

INTERNAL CONNECTIONS LEGEND

□: EURO PLUG

◇: EXTERNAL INTERFACE CONNECTOR PIN

△: SCREW TERMINAL

| REV. NO. | DATE | APPROVAL | DESCRIPTION |
|---|---|---|---|
| A | 5/5/2014 | D.HAMILTON | INITIAL DRAFT |

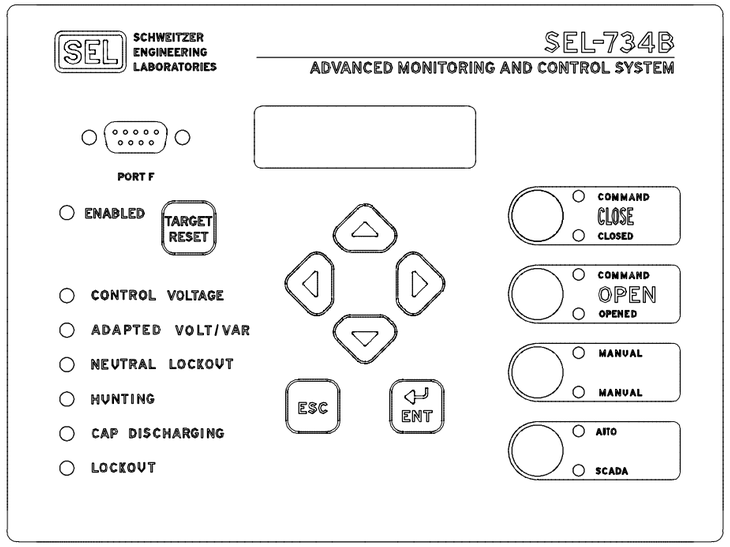
SCHWEITZER ENGINEERING LABORATORIES
PULLMAN WASHINGTON USA



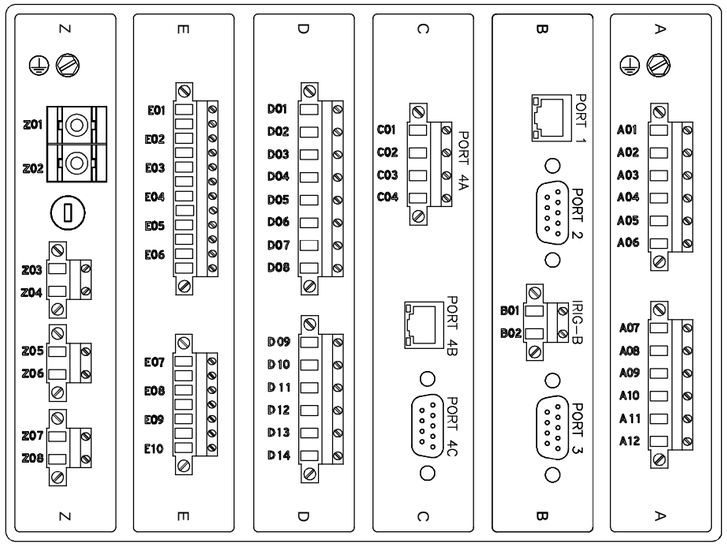
SEL-734B
(COMPACT ENCLOSURE, 0734*S9F1D1*2******D5000)
AC/DC SCHEMATIC

| SCALE | ENGINEER | DRAFTER | DATE | SHT | OF |
|---|---|---|---|---|---|
| NTS | S. COLLIGAN | D. HAMILTON | 5/5/2014 | 1 | 2 |

DWG NO. LDW734B0015 REV A




FRONT VIEW




REAR VIEW

## SEL-734B TERMINALS

### A

01: SYSTEM VOLTAGE, E07
02: SYSTEM NEUTRAL, Z02
03: N/C
04: N/C
05: N/C
06: N/C
07: N/C
08: N/C
09: N/C
10: N/C
11: N/C
12: N/C
GND: ENCL GND

### B

PORT 1: N/C
PORT 2: N/C
IRIG-B: N/C
PORT 3: N/C

### C

01: N/C
02: N/C
03: N/C
04: N/C
PORT 4B: N/C
PORT 4C: N/C

## FRONT-PANEL JACKS

SYSTEM VOLTAGE: A01, F1-T
SYSTEM NEUTRAL: A02, E02, ENCL GND
NEUTRAL SENSOR: E05

### D

01: F2-T, D03
02: J1-C
03: D01
04: J1-B
05: N/C
06: N/C
07: N/C
08: N/C
09: N/C
10: N/C
11: N/C
12: N/C
13: N/C
14: N/C

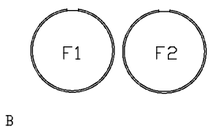
### E

01: J1-F
02: E03, SYSTEM NEUTRAL
03: E02, E04
04: E06, E03
05: J1-E, NEUTRAL SENSOR
06: J1-D, E04
07: Z01, A01
08: E09, Z02
09: E08, E10
10: J1-G, E09

### Z

01: E07
02: A02, E08
03: N/C
04: N/C
05: N/C
06: N/C

## FUSE BLOCKS




### F1

B: J1-A, F2-B
T: SYSTEM VOLTAGE

### F2

B: F1-B
T: D01

## WIRING NOTES: (ADDITIONALLY ON LABEL INSIDE ENCLOSURE)

THE SENSOR CONDUCTORS AND 120V NEUTRAL CONDUCTOR ARE GROUNDED INSIDE OF THE ENCLOSURE.

CONNECT THE CONTROLLER TO CONTROL POWER:

1. CONNECT THE RED WIRE (120VAC) OF THE CONTROL CABLE TO THE POSITIVE X1 TERMINAL OF THE 120V CONTROL POWER TRANSFORMER.
2. CONNECT THE WHITE WIRE OF THE CONTROL CABLE TO THE NEUTRAL X2 TERMINAL OF THE 120V CONTROL POWER TRANSFORMER.

CONNECT THE TRIP AND CLOSE CIRCUIT:

1. CONNECT THE GREEN WIRE OF THE CONTROL CABLE TO THE OPENING CIRCUIT OF THE CAPACITOR BANK SWITCHES.
2. CONNECT THE BLACK WIRE OF THE CONTROL CABLE TO THE CLOSE CIRCUIT OF THE CAPACITOR BANK SWITCHES.

CONNECT THE NEUTRAL CURRENT SENSOR:

1. CONNECT THE BLACK WIRE OF THE NEUTRAL SENSOR CABLE (N.C. POL) TO THE POSITIVE TERMINAL OF THE NEUTRAL CURRENT SENSOR SECONDARY CONNECTOR.
2. CONNECT THE WHITE WIRE AND SHIELD WIRE OF THE NEUTRAL SENSOR CABLE (N.C. RET) TO THE NEUTRAL TERMINAL OF THE NEUTRAL CURRENT SENSOR SECONDARY CONNECTOR.

CONNECT THE PHASE CURRENT SENSOR:

1. CONNECT THE BLACK WIRE OF THE PHASE SENSOR CABLE (L.C. POL) TO THE POSITIVE TERMINAL OF THE PHASE CURRENT SENSOR SECONDARY CONNECTOR.
2. CONNECT THE WHITE WIRE AND SHIELD WIRE OF THE PHASE SENSOR CABLE (L.C. RET) TO THE NEUTRAL TERMINAL OF THE PHASE CURRENT SENSOR SECONDARY CONNECTOR.

## EXTERNAL CONNECTORS

### J1

A: F1-B
B: D04
C: D02
D: E06
E: E05
F: E01
G: E10

SCHWEITZER ENGINEERING LABORATORIES
PULLMAN WASHINGTON USA



SEL-734B
(COMPACT ENCLOSURE, 0734*S9F1D1*2*******D5000)
WIRING DIAGRAM

| DRAFTER | ENGINEER | SCALE | DWG NO. |
|---|---|---|---|
| D. HAMILTON | S. COLLIGAN | NTS | LDW/734B0015 |

DATE 5/5/2014
SHT 2 OF 2
REV A