



## CIRCUIT BREAKER ENCLOSURES

**TECHNICAL DATA INTERRUPTING CAPACITY RATINGS (SYMMETRICAL AMPERES)**

| BREAKER FRAME       | VOLTS AC |        |        | VOLTS DC |
|---------------------|----------|--------|--------|----------|
| CUTLER-HAMMER/EATON | 240      | 480    | 600    | 250      |
| EHD                 | 18,000   | 14,000 | —      | 10,000   |
| FDB                 | 18,000   | 14,000 | 14,000 | 10,000   |
| JDB                 | 65,000   | 25,000 | 18,000 | 10,000   |
| KD                  | 65,000   | 35,000 | 25,000 | 10,000   |
| LD                  | 65,000   | 35,000 | 25,000 | 22,000   |
| ND                  | 65,000   | 50,000 | 25,000 | —        |
| <b>SQUARE D</b>     |          |        |        |          |
| HDL                 | 25,000   | 18,000 | 14,000 | 10,000   |
| JDL                 | 42,000   | 25,000 | 22,000 | 10,000   |
| LDL                 | 25,000   | 18,000 | 14,000 | 10,000   |
| LGL                 | 65,000   | 35,000 | 18,000 | —        |
| PDL                 | 42,000   | 50,000 | 50,000 | 14,000   |
| <b>ABB</b>          |          |        |        |          |
| XT1, XT2            | 50,000   | 22,000 | 10,000 | 25,000   |
| XT3                 | 50,000   | 25,000 | 10,000 | 25,000   |
| XT4                 | 65,000   | 25,000 | 18,000 | 25,000   |
| T5N                 | 65,000   | 25,000 | 18,000 | 25,000   |
| T6N                 | 65,000   | 35,000 | 20,000 | 35,000   |
| T7N                 | 65,000   | 50,000 | 25,000 | NA       |

Consult factory for requirements on higher interrupting rated breakers.

NOTE: Modifications to Internal Circuit Breaker such as Shunt Trip, Auxiliary Switches, Alarm Switch and Undervoltage Release Mechanism are available and should be ordered by description.

**ACCESSORIES / OPTIONS**

| CATALOG NUMBER | DESCRIPTION                      |
|----------------|----------------------------------|
| SU-3B-4X       | Drain/Breather TYPE 4X/7 B,C,D   |
| SU-10B-4X      | Drain TYPE 4X/7 B,C,D            |
| SU-11B-4X      | Breather TYPE 4X/7 B,C,D         |
| B7CGRND        | Grounding lug kit                |
| B7C-SN1        | Solid neutral 150 AMP            |
| B7C-SN2        | Solid neutral 250 AMP            |
| B7C-SN3        | Solid neutral 600 AMP            |
| B7C-SN4        | Solid neutral 1200 AMP           |
| B7SF           | Special epoxy finish             |
| B7SPNPT        | Change standard conduit openings |

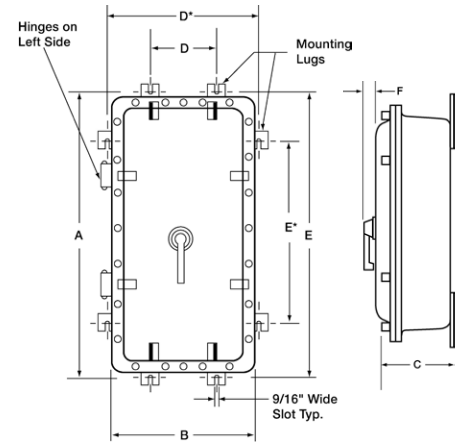
**DIMENSIONS**

Figure 1

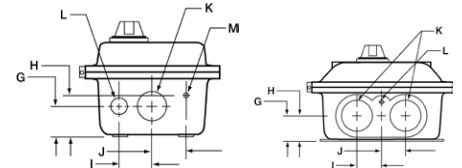
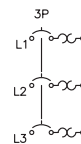


Figure 2

Figure 3

**B7C DIMENSIONS**

| CATALOG NUMBER | USE FIGURES | DIMENSIONS     |               |               |             |               |               |                |             |                |               |             |             | CONDUIT OPENINGS TOP & BTM. (NPT) |      |      | EST. ENCL. WT. LBS (KG) |
|----------------|-------------|----------------|---------------|---------------|-------------|---------------|---------------|----------------|-------------|----------------|---------------|-------------|-------------|-----------------------------------|------|------|-------------------------|
|                |             | A              | B             | C             | D           | D*            | E             | E*             | F           | G              | H             | I           | J           | K                                 | L    | M    |                         |
| B7CA           | 1, 2        | 18" (457)      | 11" (279)     | 9-1/8" (232)  | 3-5/8" (92) | N/A           | 16-3/8" (416) | N/A            | 1-3/4" (44) | 2-15/16" (76)  | 3-11/16" (94) | 2-3/8" (60) | 2-1/8" (54) | 1-1/2"                            | 3/4" | 1/2" | 46 (20.86)              |
| B7CB           | 1, 2        | 26-1/4" (667)  | 12-1/2" (318) | 10-3/4" (273) | 5" (127)    | N/A           | 24-5/8" (625) | N/A            | 1-3/4" (44) | 4-5/16" (110)  | 5-3/4" (146)  | 2-3/4" (70) | 2-1/2" (64) | 2"                                | 1"   | 1/2" | 80 (36.28)              |
| B7CC           | 1, 2        | 34-1/4" (870)  | 16-1/2" (419) | 11-1/2" (292) | 9" (229)    | N/A           | 32-5/8" (829) | N/A            | 1-3/4" (44) | 4-11/16" (119) | 6-1/4" (159)  | 4" (102)    | 3-3/4" (95) | 3"                                | 1"   | 1/2" | 155 (70.30)             |
| B7CD           | 1, 2        | 34-1/4" (870)  | 16-1/2" (419) | 11-1/2" (292) | 9" (229)    | N/A           | 32-5/8" (829) | N/A            | 2-5/8" (67) | 4-11/16" (119) | 6-1/4" (159)  | 4" (102)    | 3-3/4" (95) | 3"                                | 1"   | 1/2" | 155 (70.30)             |
| B7CE           | 1, 3        | 45-3/8" (1153) | 17-1/2" (445) | 9-5/8" (244)  | N/A         | 15-1/4" (387) | N/A           | 33" (838)      | 2-5/8" (67) | 3-3/16" (838)  | 4-1/2" (114)  | 2-3/4" (70) | 2-3/4" (70) | 3"                                | 1/2" | N/A  | 215 (97.52)             |
| B7CF           | 1, 3        | 62-1/4" (1581) | 20-1/4" (514) | 15" (381)     | N/A         | 18-1/2" (470) | N/A           | 43-1/2" (1105) | 2-5/8" (67) | 5-3/8" (137)   | 7-3/8" (187)  | 3-1/2" (89) | 3-1/2" (89) | 4"                                | 1/2" | N/A  | 540 (244.93)            |



DISTRIBUTION EQUIPMENT

## DEDS SERIES

DISCONNECT SWITCHES • POLE / NON-FUSIBLE



**Class II, Div. 1 & 2, Groups E, F, G**  
**Class III**  
**TYPE 3R, 4, 9 (E, F, G)**



Listed - File E53290 Indoor/Outdoor



Certified - File LR11714

See files for details or call Killark.

## FEATURES-SPECIFICATIONS

### Features

(30-60-100 Amp Housing Styles)

- Bolted and gasketed cabinet type construction insures the exclusion of conductive or combustible dusts from entering the assembly. Enclosure and external handle is copper-free aluminum alloy (less than 1/10 of 1%)
- Cover bolts are stainless steel
- External handle is vault type with standard provisions for locking in the "OFF" position with up to three padlocks
- Provisions for locking in "ON" position available as factory modification. (Add suffix SU40 to catalog number)
- Cutler-Hammer Type-DS Switches
- Two cast conduit hubs; one top and one bottom
- Internal disconnect handle mechanism is a sliding plate mounted to the cover
- Aluminum lacquer paint finish is standard

### Electrical Ratings

- 600VAC, 3 Pole, 50/60Hz



## DISCONNECT SWITCHES • POLE / NON-FUSIBLE

## DEDS DISCONNECT SWITCHES

| CATALOG NUMBER        |                                              |                                                  |                                                       | SWITCH RATING |
|-----------------------|----------------------------------------------|--------------------------------------------------|-------------------------------------------------------|---------------|
| ENCLOSURE WITH SWITCH | ENCLOSURE WITH SWITCH AND AUXILIARY CONTACTS | ENCLOSURE WITH SWITCH AND TWO AUXILIARY CONTACTS | ENCLOSURE ONLY (WITHOUT SWITCH OR AUXILIARY CONTACTS) |               |
| DEDS-30               | DEDS-30A                                     | DEDS-30AA                                        | DEDS-A                                                | 30 AMP        |
| DEDS-60               | DEDS-60A                                     | DEDS-60AA                                        | DEDS-B                                                | 60 AMP        |
| DEDS-100              | DEDS-100A                                    | DEDS-100AA                                       | DEDS-B                                                | 100 AMP       |

Auxiliary Switch Kits are available for separate control circuit applications. Each auxiliary switch has one normally open and one normally closed contact. Each switch includes three soldered, identified leads.

Rated 15 amps at 250 volts maximum.

## DEDS ELECTRICAL RATINGS

| SWITCH AMPERES | MAXIMUM HORSEPOWER—THREE PHASE—3-POLE |         |         |         |         |
|----------------|---------------------------------------|---------|---------|---------|---------|
|                | 120 VAC                               | 240 VAC | 480 VAC | 600 VAC | 250 VDC |
| 30             | 5                                     | 10      | 20      | 25      | 7-1/2   |
| 60             | 10                                    | 20      | 40      | 60      | 15      |
| 100            | 15                                    | 30      | 75      | 75      | 25      |

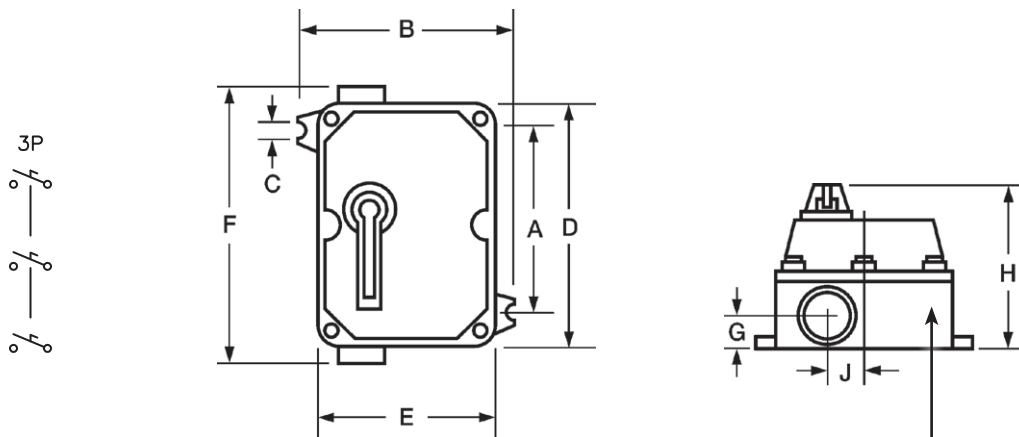
## DEDS DIMENSIONS

| ENCLOSURE CATALOG NUMBER | CONDUIT SIZE | A             | B              | C          | D             | E            | F             | G           | H            | J       | EST. ENCL. WT. LBS (KG) |
|--------------------------|--------------|---------------|----------------|------------|---------------|--------------|---------------|-------------|--------------|---------|-------------------------|
| DEDS-A                   | 1-1/4"       | 8-3/8" (213)  | 8-13/16" (224) | 7/16" (11) | 10-1/4" (260) | 7-3/8" (187) | 12-1/8" (308) | 1-3/8" (35) | 6-7/8" (175) | 2" (51) | 14.50 (6.57)            |
| DEDS-B                   | 2"           | 10-7/8" (276) | 9-1/8" (232)   | 7/16" (11) | 13-7/8" (252) | 7-3/4" (197) | 15-3/8" (391) | 1-3/4" (44) | 6-7/8" (175) | 2" (51) | 19.50 (8.84)            |

## MODIFICATIONS

| SUFFIX NUMBER | DESCRIPTION           |
|---------------|-----------------------|
| SU3B-4X       | Drain and breather    |
| SU17          | 100 Amp solid neutral |
| SU40          | Lock "on" for handle  |
| KIT-251       | 100 Amp ground lug    |

## DIMENSIONS



Note: Space for additional drill & top conduit opening. 1-1/4" for DEDS-A. 2" for DEDS-B. Also is location for SU3 drain and breather when required.



DISTRIBUTION EQUIPMENT

## XEDS SERIES

DISCONNECT SWITCHES 3 POLE / NON-FUSIBLE



XEDS-30

Class I, Div. 1 & 2, Groups C, D  
Class I, Zones 1 & 2, Groups IIB, IIA  
Class II, Div. 1 & 2, Groups E, F, G  
Class III  
TYPE 7 (C, D) 9 (E, F, G)

 LISTED - File E53290 Indoor

 Certified - File LR1171  
See files for details or call Killark.

## FEATURES-SPECIFICATIONS

### Features

#### 30-60-100 Amp Housing

- External handle is vault type with standard provisions for locking in "OFF" position with up to three padlocks
- Provisions for locking in "ON" position available as factory modification (add suffix SU40 to catalog number)
- Enclosure and external handle is cast copper-free aluminum alloy (less than 1/10 of 1%)
- Cover bolts are stainless steel
- Cutler-Hammer Type-DS Switches

#### 30-60-100 Amp Housing

- Two cast conduit hubs; one top and one bottom
- Internal disconnect handle mechanism is a sliding plate mounted to the cover
- Aluminum lacquer paint finish is standard

### Electrical Rating

- 600VAC, 3 Pole, 50/60Hz



## DISCONNECT SWITCHES 3 POLE / NON-FUSIBLE

| XEDS DISCONNECT SWITCHES |                                              |                                                  |                                                       |               |
|--------------------------|----------------------------------------------|--------------------------------------------------|-------------------------------------------------------|---------------|
| CATALOG NUMBER           |                                              |                                                  |                                                       | SWITCH RATING |
| ENCLOSURE WITH SWITCH    | ENCLOSURE WITH SWITCH AND AUXILIARY CONTACTS | ENCLOSURE WITH SWITCH AND TWO AUXILIARY CONTACTS | ENCLOSURE ONLY (WITHOUT SWITCH OR AUXILIARY CONTACTS) |               |
| XEDS-30                  | XEDS-30A                                     | XEDS-30AA                                        | XEDS-A                                                | 30            |
| XEDS-60                  | XEDS-60A                                     | XEDS-60AA                                        | XEDS-B                                                | 60            |
| XEDS-100                 | XEDS-100A                                    | XEDS-100AA                                       | XEDS-B                                                | 100           |

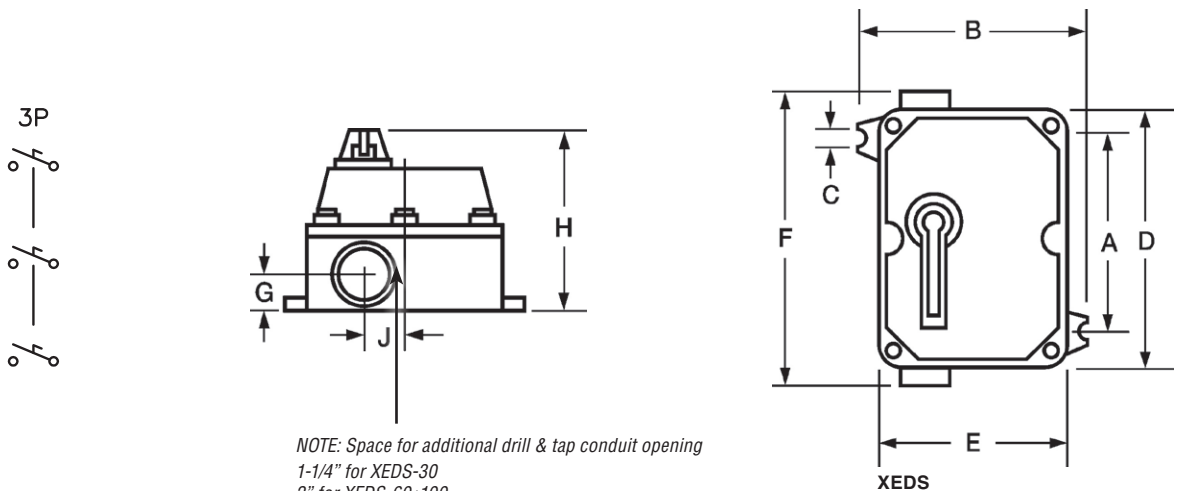
| MODIFICATIONS |                       |
|---------------|-----------------------|
| SUFFIX NUMBER | DESCRIPTION           |
| SU3           | Drain and breather    |
| SU17          | 100 Amp solid neutral |
| SU18          | 225 Amp solid neutral |
| SU40          | Lock "on" for handle  |
| KIT-251       | 100 Amp ground lug    |

Auxiliary switch kits are available for separate control circuit applications. Each auxiliary switch has one normally open and one normally closed contact. Each switch includes three soldered, identified leads. Rated 15 amps at 250 volts maximum.

| XEDS ELECTRICAL RATINGS |                                           |         |         |         |         |
|-------------------------|-------------------------------------------|---------|---------|---------|---------|
| SWITCH AMPERES          | MAXIMUM HORSEPOWER – THREE PHASE – 3-POLE |         |         |         |         |
|                         | 120 VAC                                   | 240 VAC | 480 VAC | 600 VAC | 250 VDC |
| 30                      | 5                                         | 10      | 20      | 25      | 7-1/2   |
| 60                      | 10                                        | 20      | 40      | 60      | 15      |
| 100                     | 15                                        | 30      | 75      | 75      | 25      |

| XEDS DIMENSIONS |          |               |              |            |               |              |               |             |              |         |                         |
|-----------------|----------|---------------|--------------|------------|---------------|--------------|---------------|-------------|--------------|---------|-------------------------|
| CATALOG NUMBER  | HUB SIZE | A             | B            | C          | D             | E            | F             | G           | H            | J       | EST. ENCL. WT. LBS (KG) |
| XEDS-A          | 1-1/4"   | 8-3/8" (213)  | 8-3/4" (222) | 7/16" (11) | 10-1/4" (260) | 7-3/8" (187) | 11-7/8" (302) | 1-3/8" (35) | 6-7/8" (175) | 2" (51) | 11.0 (4.98)             |
| XEDS-B          | 2"       | 10-7/8" (276) | 9-1/8" (232) | 7/16" (11) | 13-7/8" (352) | 7-3/4" (197) | 16" (406)     | 1-3/4" (44) | 7" (178)     | 2" (51) | 17.0 (7.71)             |

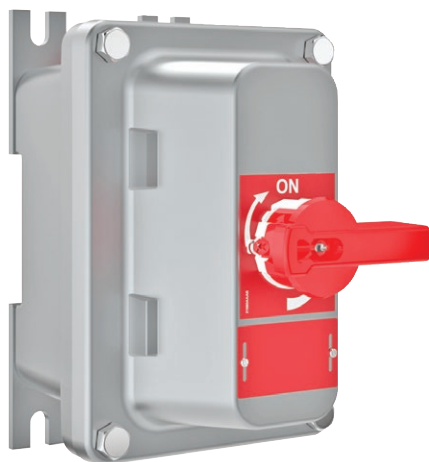
## DIMENSIONS



NOTE: Space for additional drill & tap conduit opening  
 1-1/4" for XEDS-30  
 2" for XEDS-60+100  
 Also is location for SU3 drain and breather when requested.



## COMPACT NON-FUSED DISCONNECT SWITCHES



B7NFD1



B7NFD2

Class I, Div. 1 & 2, Groups B, C, D  
Class I, Zones 1 & 2, Groups IIB+ H2, IIA  
Class II, Div. 1 & 2, Groups E, F, G<sup>①</sup>  
Class III  
TYPE 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)



Certified - File LR11714 Indoor/Outdoor

## FEATURES-SPECIFICATIONS

PRISM® enclosures universal design accommodates the following manufacturers switches as standard:

- Advance Controls 14046 Series
- Allen-Bradley 194E Series (B7NFD1 only)
- ABB OT Series
- Cutler-Hammer R9 Series
- Sprecher + Schuh LA7 Series
- Ferraz Shawmut LBS Series

*Advance Controls © Advance Controls Inc.*

*Allen-Bradley © Rockwell Automation*

*ABB © The ABB Group*

*Cutler-Hammer © Eaton Corporation*

*Sprecher + Schuh © Sprecher + Schuh*

### Features

- Compact size enclosures provide application flexibility with cost savings over industry standard sizes
- Fewer cover bolts reduces installation and maintenance time
- Gasketed flange with O-ring located in side bolt circle to seal out moisture
- Rotary handle style operating mechanism with lockout provision as standard

- Removable ductile mounting lugs adjust to irregular mounting surfaces
- Bodies have top and bottom drilled and tapped conduit entrances for power connection, with custom openings available

### Materials

- Enclosures: Copper-free aluminum (less than 1/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- O-ring Gasket: Silicone
- Finish: Grey Powder Polyester painted exterior, electrostatically applied.
- Electrical rating: 600VAC, 30 - 100 Amp

### Electrical Rating

- 600VAC, 30 - 100 Amp 3 Pole

### ADAPTER KIT

- Required for Allen-Bradley and Sprecher + Schuh disconnects Order separately B7KIT - NRW



## COMPACT NON-FUSED DISCONNECT SWITCHES

| COMPACT NON-FUSED DISCONNECT SWITCHES                                                                                                                                                                                                                      |                 |                          |       |                    |            |                |            |            |            |                               |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|-------|--------------------|------------|----------------|------------|------------|------------|-------------------------------|--------------------|
| CATALOG NUMBER                                                                                                                                                                                                                                             |                 | SWITCH RATING<br>IEC/NEC |       | SINGLE PHASE<br>HP |            | THREE PHASE HP |            |            |            | TERMINAL LUG SIZE<br>(MM/AWG) | WEIGHT<br>(KG/LBS) |
| ENCLOSURE<br>ONLY                                                                                                                                                                                                                                          | W/ABB<br>SWITCH | AMPS                     | PHASE | 120<br>VAC         | 230<br>VAC | 208<br>VAC     | 230<br>VAC | 480<br>VAC | 600<br>VAC |                               |                    |
| UL508 & IEC - Suitable for use in equipment or machinery as motor controllers & motor disconnect and are horsepower and ampere rated.                                                                                                                      |                 |                          |       |                    |            |                |            |            |            |                               |                    |
| B7NFD1                                                                                                                                                                                                                                                     | B7NFD16A        | 16/20                    | 3     | 1                  | 2          | 3              | 5          | 10         | 10         | .75 - 10mm / #18 - 8 AWG      | 4.98 / 11          |
| B7NFD1                                                                                                                                                                                                                                                     | B7NFD25A        | 25/30                    | 3     | 1.5                | 3          | 7.5            | 7.5        | 15         | 20         | .75 - 10mm / #18 - 8 AWG      | 4.98 / 11          |
| B7NFD1                                                                                                                                                                                                                                                     | B7NFD32A        | 32/40                    | 3     | 2                  | 5          | 10             | 10         | 20         | 25         | .75 - 10mm / #18 - 8 AWG      | 4.98 / 11          |
| B7NFD1                                                                                                                                                                                                                                                     | B7NFD63A        | 63/60                    | 3     | 2                  | 5          | 15             | 15         | 30         | 30         | 1.5 - 35mm / #14 - 2 AWG      | 4.98 / 11          |
| B7NFD2                                                                                                                                                                                                                                                     | B7NFD80A        | 80/80                    | 3     | 2                  | 5          | 20             | 20         | 40         | 40         | 1.5 - 35mm / #14 - 2 AWG      | 10.53 / 23.2       |
| UL 98 & IEC - Suitable for use as motor disconnects or industrial control panel disconnects on service entrance equipment, panelboards, switchboards, industrial control equipment, motor control centers, etc. and are horsepower rated and ampere rated. |                 |                          |       |                    |            |                |            |            |            |                               |                    |
| B7NFD1                                                                                                                                                                                                                                                     | B7NFD13A        | 40/30                    | 3     | 2                  | 5          | 10             | 10         | 20         | 30         | 2.5 -25mm / #14 - 4 AWG       | 4.98 / 11          |
| B7NFD2                                                                                                                                                                                                                                                     | B7NFD26A        | 63/60                    | 3     | 3                  | 7.5        | 20             | 20         | 40         | 40         | 2.5 -25mm / #14 - 4 AWG       | 10.53 / 23.2       |
| B7NFD2                                                                                                                                                                                                                                                     | B7NFD21A        | 100/100                  | 3     | 5                  | 15         | 25             | 30         | 50         | 50         | 10 - 70mm / #8 - 2/0 AWG      | 10.53 / 23.2       |

\*\* Use MN. 75°C wire

| DIMENSIONS |                                  |                  |                 |                              |                 |                 |                              |                 |                |               |                |        |
|------------|----------------------------------|------------------|-----------------|------------------------------|-----------------|-----------------|------------------------------|-----------------|----------------|---------------|----------------|--------|
| ENCLOSURE  | OUTSIDE BOX DIMENSIONS (INCH/MM) |                  |                 | NOMINAL INSIDE BOX (INCH/MM) |                 |                 | MOUNTING DIMENSION (INCH/MM) |                 |                |               |                | OUTLET |
|            | A                                | B                | C               | D                            | E               | F               | G                            | H               | I              | J             | K              |        |
| B7NFD1     | 5.75<br>(145)                    | 8.0625<br>(205)  | 6.3125<br>(160) | 3.625<br>(92)                | 5.8125<br>(148) | 5.0625<br>(129) | 3.125<br>(79)                | 8.125<br>(206)  | NA             | NA            | 1.25<br>(32)   | 1"     |
| B7NFD2     | 8.125<br>(206)                   | 13.0625<br>(332) | 7.8125<br>(198) | 4.25<br>(108)                | 9.1875<br>(233) | 6.3125<br>(160) | 2.50<br>(64)                 | 11.375<br>(289) | 6.375<br>(162) | 7.50<br>(191) | 1.8125<br>(46) | 1½"    |

| MODIFICATIONS    |                                       |
|------------------|---------------------------------------|
| SUFFIX<br>NUMBER | DESCRIPTION                           |
| KIT-251          | 100 amp ground lug                    |
| SU-2             | SU-2 Hinge-9 Installed                |
| SU-3B-4X         | Drain/Breather NEMA 4X/7 B,C,D        |
| SU-10B-4X        | Drain NEMA 4X/7 B,C,D                 |
| SU-11B-4X        | Breather NEMA 4X/7 B,C,D              |
| SU9              | Special paint finish                  |
| A*               | 1 NC+1NO Auxiliary                    |
| B7SPNPT          | Change std. conduit size and location |
| SU14             | Fungus proofing of enclosures         |

\* NOTE: Only one auxiliary contact (Form C) will fit.

