

ASCO 185 SERIES AUTOMATIC & MANUALLY OPERATED POWER TRANSFER SWITCHES RATED 100, 200, & 230 AMPERES, 240 VAC, SINGLE PHASE/3 WIRE

D

C

B

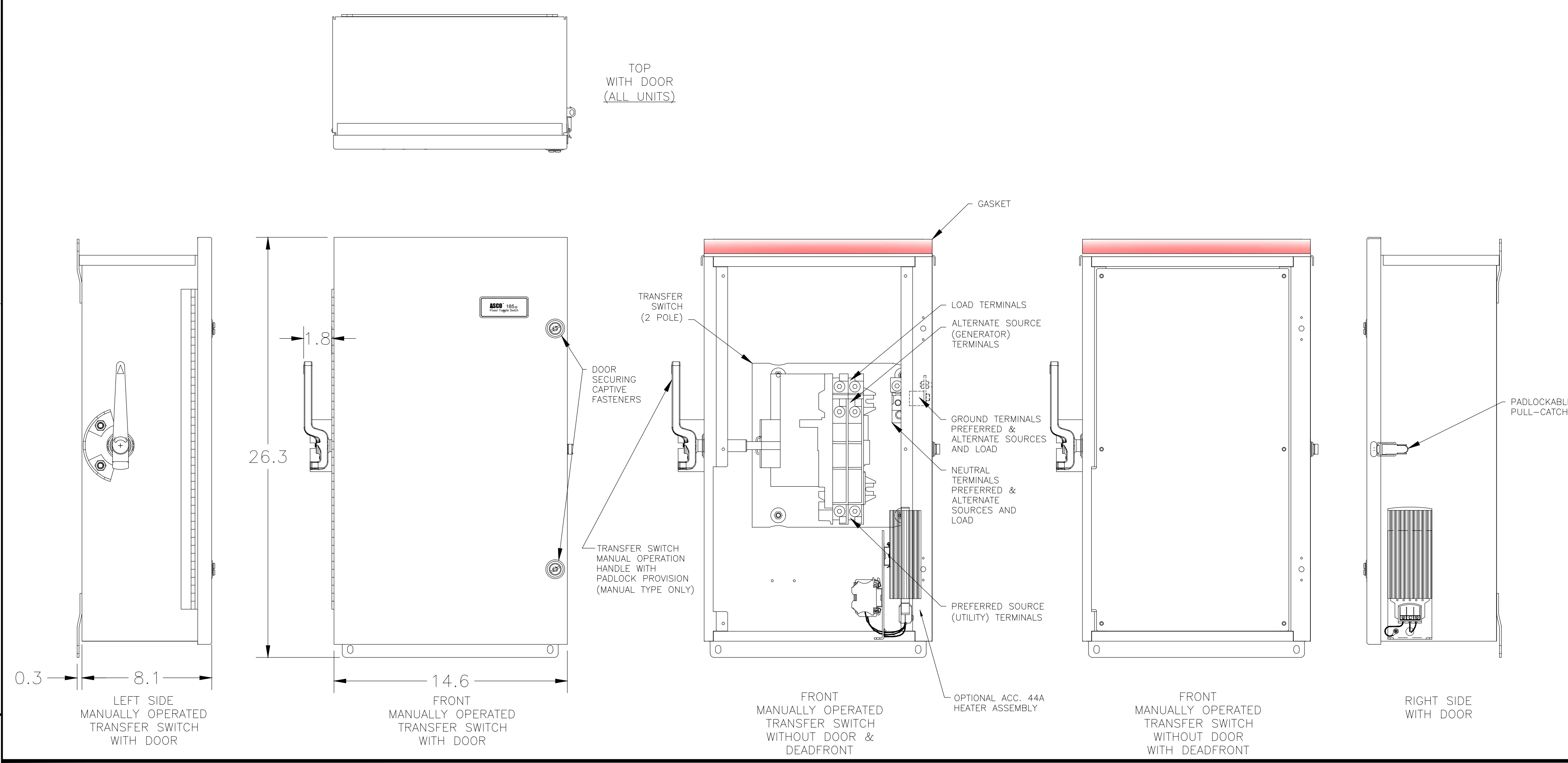
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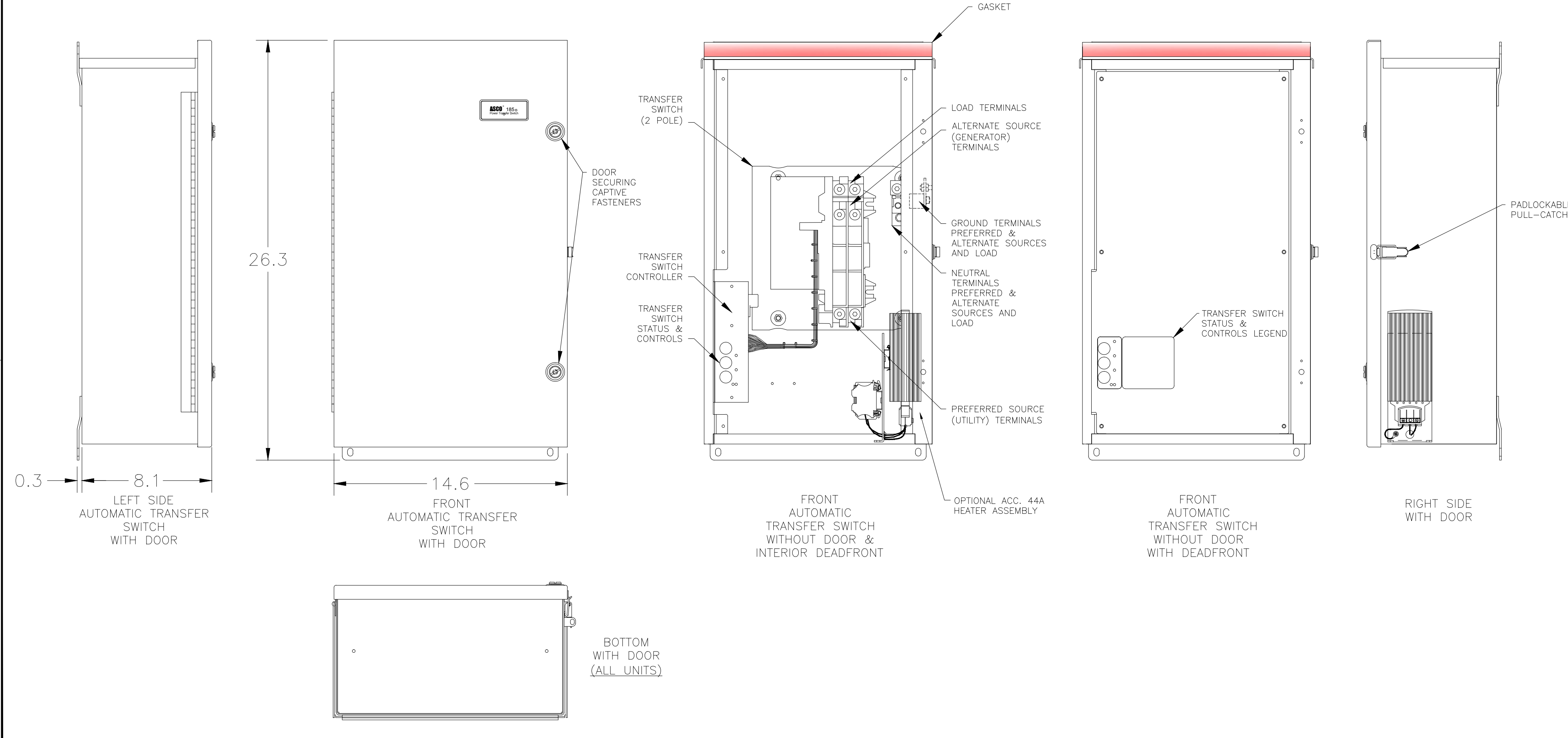
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A



**NOTES:**

- Automatic & Manually Operated Power Transfer Switch: ASCO D185, 2 pole, 100, 200, & 230 amperes, 240 vac. Listed to UL 1008, Standard for Transfer Switching Equipment. For use on Optional Standby Systems as defined by NFPA 70 (National Electrical Code (NEC), Article 702.  
 Transfer Controller (Automatic Type Only) – Group 4 Automatic Transfer Switch Controller including:  
 (Refer to 185 Series Operator's Manual, PN 381333-319, supplied with the transfer switch for detailed information)  
User Controls & Status Indication  
 Load on Preferred Source (Utility) LED indicator – green  
 Load on Alternate Source (Generator) LED indicator – red  
 Preferred Source (Utility) Acceptable LED indicator – green  
 Alternate Source (Generator) Acceptable LED indicator – red  
 Automatic Engine-Generator Exerciser (Setting & Engine Running) LED indicator  
 Transfer Test membrane pushbutton  
 Bypass Time Delay (active time delay or engine-generator exercise period) membrane pushbutton  
 Set Engine Exerciser membrane pushbutton  
Time Delays  
 Override Momentary Preferred Source (Utility) Outages – Factory set at 3 seconds  
 Transfer to Alternate Source (Generator) – Factory set at 10 seconds  
 Override Momentary Alternate Source (Generator) Outages – Factory set at 4 seconds  
 Retransfer to Preferred Source (Utility) – 5 minutes/fix  
 Engine-Generator Unloaded Running (Cooldown) Period – Factory set at 5 minutes  
Control Signals  
 Engine-Generator Automatic Starting Controls – (1) form C contact  
 Load Disconnect Feature – (1) form C contact. Refer to Operator's Manual for detailed explanation of operation.  
Remote Controls (Using Customer Supplied Contacts)  
 Remote Test Feature  
 Remote Test with Automatic Retransfer to Preferred Source (Utility) Feature  
 Bypass Time Delay on Retransfer to Preferred Source (Utility) Feature  
 External Manual Transfer Operator (Manual Type Only) – Quick Make/Quick Break Operator for manual load transfer.  
 Includes padlocking provision of operating handle.
- Enclosure: Listed to UL 50 Standard for Enclosures for Electrical Equipment. Type 3R Outdoor. 12 gauge aluminum alloy. Finish – RAL 7035 Light Gray Polyester Powder Coating.
- Neutral & Equipment Ground Terminations – Provided for Preferred (Utility) & Alternate (Generator) Sources and Load
- Conductor Sizes – 100 amps: (1) #14 AWG to 4/0 AWG Al or Cu. 200 & 230 amps: (1) #14 AWG to 4/0 AWG Cu ONLY.



REAR (ALL UNITS)

TRANSFER SWITCH MANUAL OPERATION HANDLE WITH PADLOCK PROVISION (MANUAL TYPE ONLY)

25.15

0.52 TYP.

0.88 TYP.

12.50 TYP.

Ø0.34 MOUNTING HOLE 4 PLACES

REAR (ALL UNITS)

F	263653	BWM	SDH	10/13/16	UPDATE BADGING
E	238080	DL	JPB	07/19/12	SEE ECN
D	234194	BK	JPB	10/17/10	SEE ECN
C	224029	DAJ	JPB	8/25/09	SEE ECN
B	222350	JPB	JPB	03/26/09	SEE ECN
A	221452	JPB	JPB	01/19/09	SEE ECN
-	220703	SDH	SDH	11/11/08	ISSUE

PROJECT NAME: 185 SERIES, TYPE 3R ENCLOSURE

185 SERIES (100, 200, & 230 AMPERES) AUTOMATIC & MANUALLY OPERATED POWER TRANSFER SWITCHES

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.

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ASCO POWER TECHNOLOGIES, L.P. FLOHAM PARK, NEW JERSEY 07932 U.S.A.

844557-001

SCALE: NONE SIZE DS

COMPUTER GENERATED DRAWING

REV. TO SHEET ECN NO. BY APP. DATE

DRAWN BY SDH 11/08

CHECKED PROJECT APPROVAL FINAL APPROVAL SDH 11/08

ASSEM. REF. NO.

DWG. NO. 844557-001

SCALE NONE SIZE DS

REV. F ECN 263653 SHEET 1 OF 1