

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

NOTES:

1) 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

Remote Controls (Using Customer Supplied Contacts)

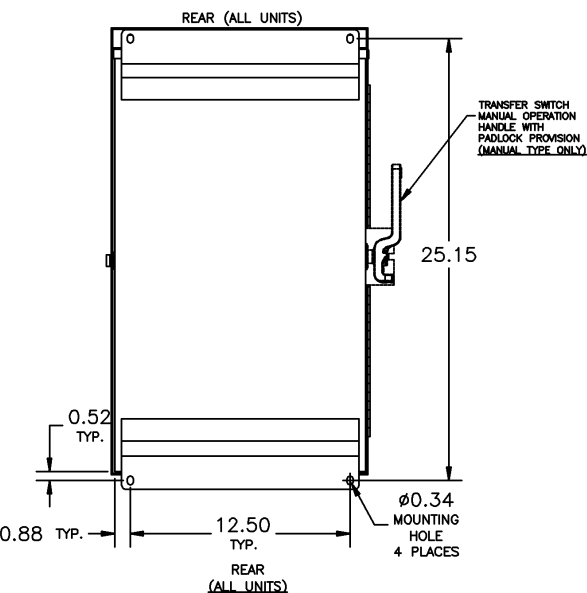
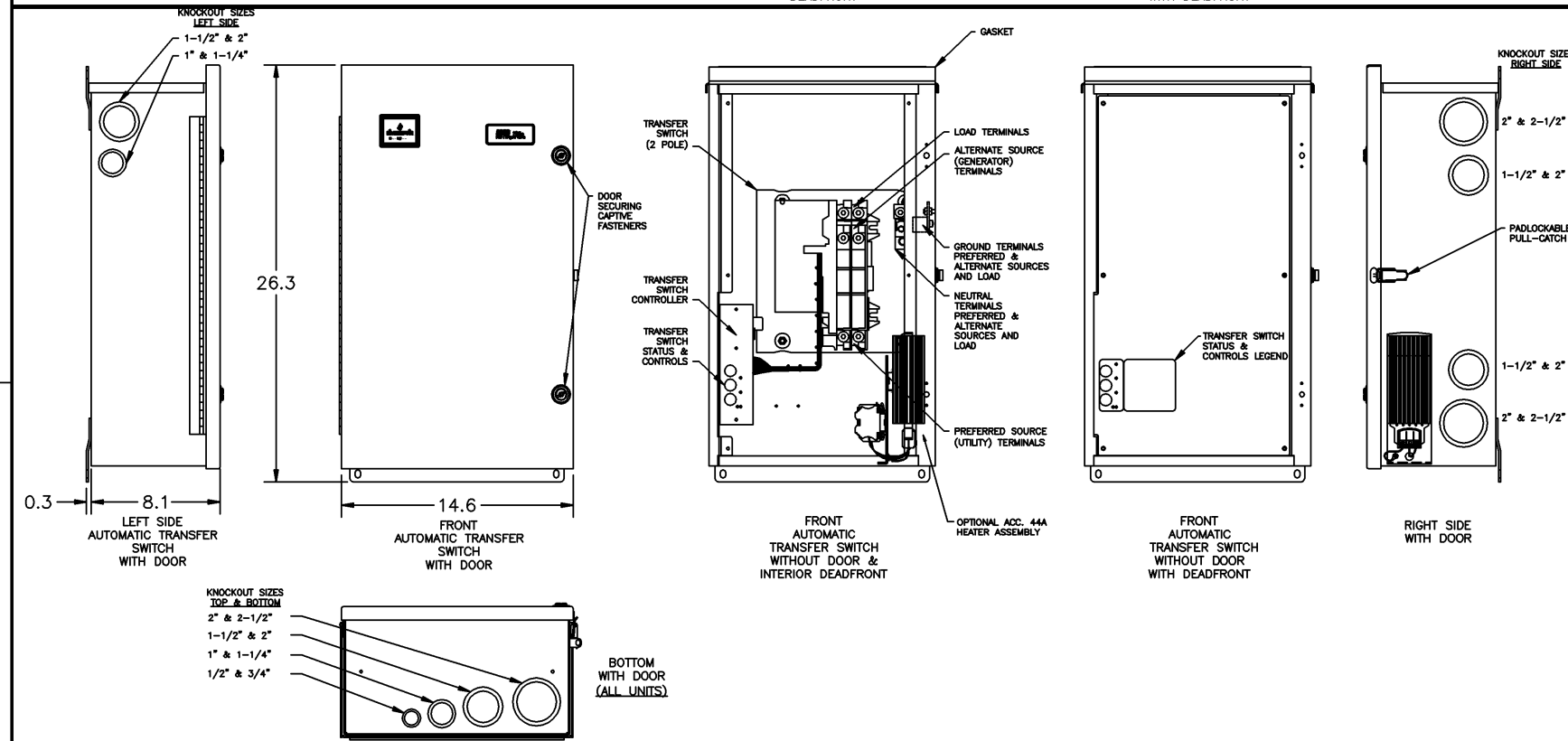
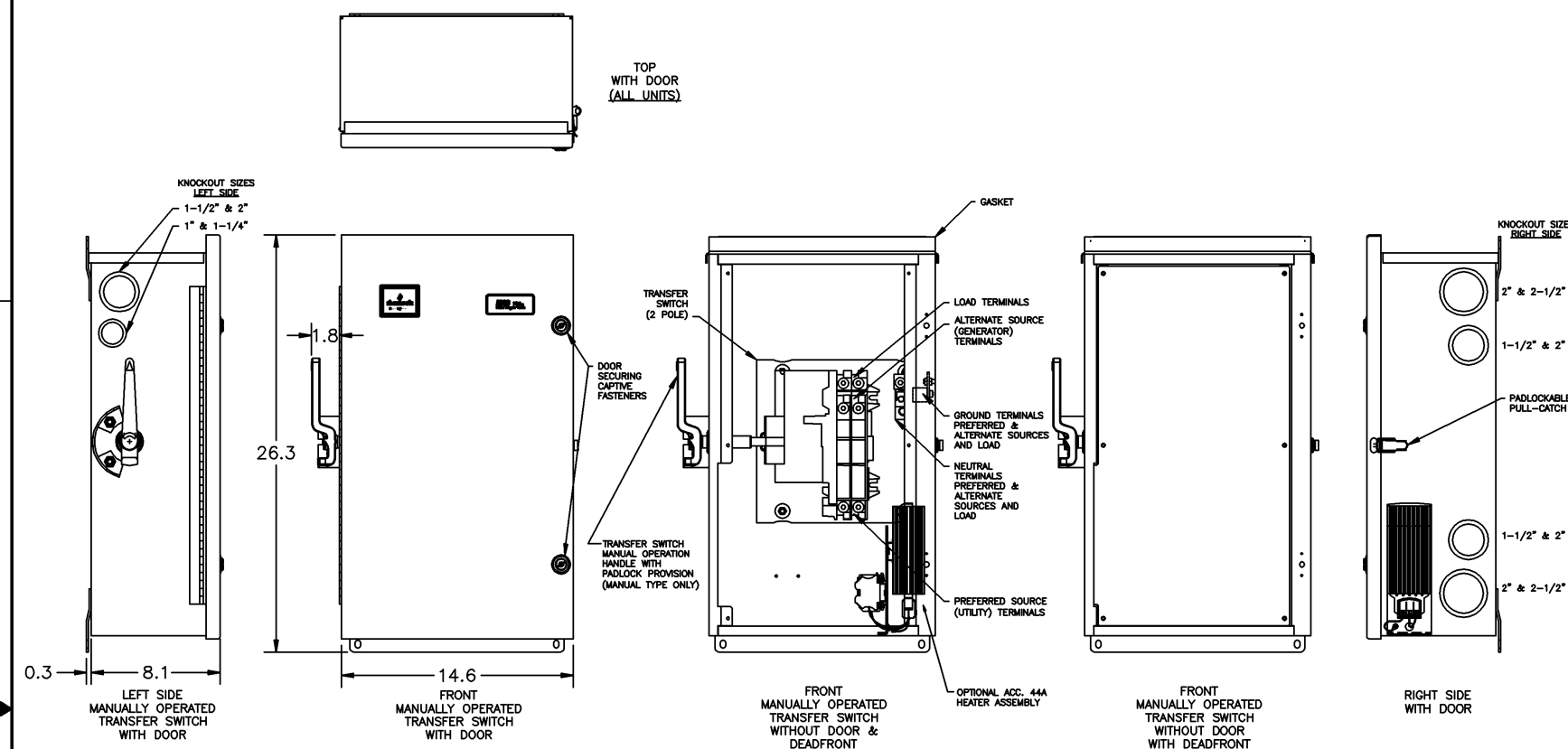
Remote Test Feature
Remote Test with Automatic Retransfer to Preferred Source (Utility) Feature
Bypass Time Delay on Retransfer to Preferred Source (Utility) Feature

External Manual Transfer Operator (Manual Type Only) - Quick Make/Quick Break Operator for manual load transfer. Includes padlocking provision of operating handle.

2) 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.

3) Neutral & Equipment Ground Terminations - Provided for Preferred (Utility) & Alternate (Generator) Sources and Load

4) 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.



C	224029	DAJ	JPB	8/25/09
	SEE ECD			
	222350	JPB	JPB	03/26/09
	SEE ECD			
B	221452	JPB	JPB	01/19/09
	SEE ECD			
A	220703	SDH	SDH	11/11/08
	ISSUE			
—	224029	DAJ	JPB	8/25/09

PROJECT NAME:		185 SERIES, TYPE 3R ENCLOSURE	
OUTLINE & MOUNTING		185 SERIES (100, 200, & 230 AMPERES)	
AUTOMATIC & MANUALLY OPERATED POWER TRANSFER SWITCHES		COMPUTER GENERATED DRAWING	
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.
SDH	11/08		
CHECKED		PROPERTY OF ASCO POWER TECHNOLOGIES, L.P. WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE 4/32 SIZE DS
PROJECT APPROVAL			DWG. NO. 844557-001
FINAL APPROVAL	SDH	11/08	844557-001
ASCO POWER TECHNOLOGIES, L.P.		FLORHAM PARK, NEW JERSEY 07932 U.S.A.	
DRAWING C		EEN 224029	
		SHEET 10F1	