

ASC0 185 SERIES AUTMATIC POWER TRANSFER SWITCH RATED 260 & 400 AMPS, 240V SINGLE PHASE, 3 WIRE

NOTES:

- 1) Automatic Power Transfer Switch:
ASC0 E185, 2 pole, 260 & 400 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 - ASC0 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/fixed
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

- 2) Enclosure: Listed to UL 50 Standard for Enclosures for Electrical Equipment, Type 3R Outdoor.
Constructed of 0.102 thick Aluminum Alloy (5052-H32).
Finish - RAL 7035 Light Gray Polyester Powder Coating.

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

- 4) Conductor Sizes - 260 to 400 amps: (1) 400 MCM - 600 MCM
(2) 1/0 AWG - 250 MCM

KNICKOUTS SIZES
LEFT SIDE

8.2
0.33

(1) 3"

22.4

DOOR
SECURING
CAPTIVE
FASTENERS
(3 PLACES)

TRANSFER
SWITCH
(2 POLE)

TRANSFER
SWITCH
CONTROLLER

TRANSFER
SWITCH
STATUS &
CONTROLS

LOAD TERMINALS

ALTERNATE
SOURCE
(GENERATOR)
TERMINALS

NEUTRAL TERMINALS
PREFERRED &
ALTERNATE SOURCES
AND LOAD

GROUND TERMINALS
PREFERRED &
ALTERNATE SOURCES
AND LOAD

PREFERRED SOURCE
(UTILITY) TERMINALS

OPTIONAL ACC. 44A
HEATER ASSEMBLY

22.0

KNICKOUTS SIZES
TOP
RIGHT SIDE

(1) 3"
(1) 2" & 2-1/2"
(1) 1-1/2" & 2"

NEUTRAL TERMINALS
PREFERRED &
ALTERNATE SOURCES
AND LOAD

DRAW PULL
LATCH FOR
PADLOCKING
PROVISIONS

GROUND TERMINALS
PREFERRED &
ALTERNATE SOURCES
AND LOAD

KNICKOUTS SIZES
BOTTOM
RIGHT SIDE

(1) 1-1/2" & 2"
(1) 2" & 2-1/2"

RIGHT SIDE
AUTOMATIC
TRANSFER SWITCH
WITHOUT DOOR
& DEADFRONT
INSTALLED

REAR
AUTOMATIC
TRANSFER SWITCH

20.13
TYP.

0.94
TYP.

46.47
TYP.

0.67
TYP.

REFER TO DETAIL 'A'

LEFT SIDE
AUTOMATIC
TRANSFER SWITCH
WITH DOOR

FRONT
AUTOMATIC
TRANSFER SWITCH
WITH DOOR

FRONT
AUTOMATIC
TRANSFER SWITCH
WITHOUT DOOR
& DEADFRONT

FRONT
AUTOMATIC
TRANSFER SWITCH
WITHOUT DOOR

DRAINAGE HOLES
(2 PLACES)

KNICKOUTS SIZES
BOTTOM

(1) 3"
(1) 2" & 2-1/2"
(1) 1-1/2" & 2"
(1) 1" & 1-1/4"
(1) 1/2" & 3/4"

BOTTOM
WITH DOOR

DETAIL "A"
MOUNTING FOOT HOLES
4 PLACES

R0.22
R0.22
0.56

PROJECT NAME:		185 SERIES	
OUTLINE & MOUNTING		SERIES 185 (260-400 AMPERES)	
AUTOMATIC OPERATED TRANSFER SWITCH		COMPUTER GENERATED DRAWING	
BY	DATE	ASSEMBLY NO.	SCALE 3/16" = 1" SIZE DS
DRWN BY	JPB	01/16/09	
CHECKED			
PROJECT APPROVAL			
TECH APPROVAL	JPB	01/16/09	
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FLORHAM PARK, NEW JERSEY 07932 U.S.A.		ECN NO.	224172
		SHEET	10F1