# Winco ASCO 300 Series 300020100F1 Auto Transfer Switch 1Ph 104A



Model Number: 300020100F1

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Manufacturer: Winco Generators

Asco 300 Auto Transfer Switch (1Ph, 104A) 300020100F1

The Asco Series 300 automatically transfers critical loads in the event of a power outage. Rugged construction and proven performance assure the user of many years of reliability. Designed for telecom, commercial, municipal, industrial, and agricultural applications. Also designed to handle the extraordinary demands placed on the switch when starting or restarting installed motors and switching high inrush loads.

FEATURES

• The Series 300 is listed to UL 1008 standard for Transfer Switch Equipment and CSA standard C22.2 for automatic transfer switches.
• Meets NFPA 110 for Emergency and Standby Power Systems and the National Electrical Code (NEC) Articles 700, 701 and 702.
• Numerous available enclosures with a compact design.
• True double-throw operation: The single solenoid design is inherently inter locked and prevents contacts from stopping between sources or from being in contact with both sources at the same time.
• There's no danger of the Series 300 ATS transferring loads to a dead source because the unique ASCO single-solenoid operator derives power to operate from the source to which the load is being transferred.
• Easy-to-read flush-mounted control and display panel provides LED indicators for switch position and source availability. It also includes test and time-delay bypass switches as standard features.
• Standard engine exerciser for weekly automatic testing of engine generator set with or without load.
• Supplied with solid neutral termination. (Optional switched neutral pole available.)
• Accessory kits available for field upgrades (see Accessory Kits below).
• With space in electrical closets being at a premium, the use of wall or floor-mounted ASCO Power Transfer Switches assures designers optimum utilization of space.
• All transfer switches through 2000 amps are designed to be completely front-accessible. This permits the enclosures to be installed flush to the wall and still allows installation of all power cabling and connections from the front of the switch.
• Adjustable time-delay feature prevents switch from being activated due to momentary utility power outages and generator dips.

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CONTROL FEATURES
Asco Series 300 Microprocessor Controller

• The ASCO Microprocessor Controller is used with all sizes of Power Transfer Switches. It represents the most reliable microprocessor controller in the industry and includes, as standard, all of the voltage, frequency, control, timing and connectivity functions required for most emergency and standby power applications.
• The easy-to-read flush-mounted control and display panel provides LED indicators for switch position and source availability. It also includes test and time-delay bypass switches.

Performance Features:

• 600 volt spacing per UL and CSA standards.
• Interfacing relays are industrial grade, plug-in type with dust covers.
• Meets or exceeds the requirements for Electromagnetic Compatibility (EMC).
• ANSI C37.90A/IEEE472 Voltage Surge Test
• NEMA ICS-109.21 Impulse Withstand Test
• Digital circuitry isolated from line voltages
• IEC 801-2 Electrostatic discharge (ESD) immunity
• ENV50140 and IEC 803-1: Radiated electromagnetic field immunity
• IEC 801-4 Electrical fast transient (EFT) immunity
• ENV50142 Surge transient immunity
• ENV50141: Conducted radio-frequency field immunity
• EN55011: Group 1, Class A conducted and radiated emissions
• Optically isolated RS-485 Serial Port
• EN61000- 4-11 voltage dips and interruptions immunity

Standard Selectable Features

• Inphase monitor to transfer motor loads without any intentional off time to help prevent motor inrush currents from exceeding normal starting levels.
• Engine exerciser to automatically test engine generator each week. Includes control switch for testing with or without load.
• Selective load disconnect, double-throw contact to operate at an adjustable 0 to 20 second time delay prior to transfer and reset 0 to 20 seconds after transfer.

Voltage & Frequency Sensing

• Adjustable three-phase, close differential voltage sensing on normal source.
• Normal source pickup voltage is adjustable to 95% of nominal; drop-out is adjustable from 70 to 90% of nominal.
• Frequency sensing on emergency source. Pickup at 95% and dropout at 85% of nominal.

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Time Delays

- Adjustable time delay to over ride momentary normal source outages to delay all transfer switch and engine-starting signals.
- Transfer to emergency time delay. Adjustable from 0 to 5 minutes for controlled timing of load transfer to emergency.
- Retransfer to normal time delay. Adjustable to 30 minutes.
- Five-minute unloaded running time delay for emergency engine generator cool down.
- Four-second time delay to override momentary to ignore momentary voltage and frequency transients during initial genset loading.

Standard Control Contacts

- Switch position indicating contacts (rated 10 amps 250VAC, 32VDC). (1) for Normal position, (1) for Emergency position.
- Gold plated engine start contacts (rated 5 amps 28VDC or 120VAC).

Remote Control Features
Terminal provisions for connecting:

- Remote test switch.
- Remote contact for test or for peak shaving applications. Circuit will be automatically bypassed if emergency source fails.
- Inhibit transfer to emergency.
- Remote time delay bypass switch.

MORE OPTIONS (Call to Order - Must be ordered with transfer switch)

- Switched neutral pole (solid neutral standard).
- 50Hz frequency/voltages.
- Enclosures: Open Style, UL Type 4, 4X, or 12.
- Extended Warranties: 2, 3, 4, or 5 years.
- Accessory 62W: Audible Alarm with Silence Feature. For City of Chicago Code Requirement - audible alarm with silencing feature to signal each time transfer to emergency occurs. Keyed test switch/retransfer delay bypass, momentary in both directions. Keyed test switch maintained transfer to emergency.

ACCESSORY KITS (Call to Order)

- Accessory 11BG: A programmable engine exerciser that provides for weekly or biweekly operation, includes one form C contact for source availability of normal and emergency (contact rating 2 amps @ 30VDC, 0.5 amp. @ 125 VAC resistive). The programmable engine exerciser incorporates a 7 day or 14 day time base with a digital readout display. Includes "with or without" load control switch for exerciser period. Daylight Savings Time 2007 compatible.

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• Accessory 14AA/BA: Auxiliary contacts to indicate position of main contacts. Two (2) for normal and two (2) for emergency position (one set is standard).
• Accessory 44A: Strip Heater Kit with Thermostat for outdoor applications with below freezing temperatures to prevent condensation. Requires external 120V electrical source.
• Accessory 44G: Strip Heater with thermostat, wired to load terminals: 208-240, 360-380, 460-480, 550-600 volts. Contains wiring harnesses for all transfer switch sizes.
• Accessory 123: A protective window that includes a polycarbonate frame and weather gasket to provide secure access to the membrane interface for the Type 1 Enclosures.
• Accessory 72A: Serial Module 5110 (RS-485) is used to allow local or remote communications with ASCO PowerQuest® communications products.
• Accessory 72E: Connectivity Module 5150 is used to bring several different serial devices that communicate at different baud rates and with different protocols to a common Ethernet media.
• PowerQuest Communications Product Kits (see the end of the Asco 300 Brochure for full details).

Model Number:
300020100F1

Phase:
Single

Poles:
Two

Voltage:
240V

Frequency:
60 Hz

Amperage:
104A

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Withstand Rating:
200kA with current limiting fuses, 22kA with circuit breakers

Lugs:
(1) #14 to 4/0 AWG

Cabinet Type:
NEMA 1 Indoor or NEMA 3R Outdoor (Call for other options)

Service Entrance Rated:
No

Full Dimensions HxWxD (inches):
31 x 17.5 x 11.6 (NEMA 1)

Full Dimensions HxWxD (inches):
31 x 17.5 x 11.6 (NEMA 3R)

Weight (NEMA 1):
73 lbs.

Weight (NEMA 3R):
87 lbs.

Warranty:
18 month limited

BE ADVISED:
- Beginning December 1st, 2022, Winco has chosen to enlist an updated cancellation policy in an effort to better meet the needs of our existing partners as well as future

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partners.

NUMBER OF DAYS CANCELLATION REQUEST RECEIVED, FOLLOWING ORDER DATE
CANCELLATION FEE

Within 0-30 days of order
5%

Within 30-60 days of order
10%

More than 60 days
15%

Product Shipped
25%

(Note: On custom orders (M-specs & C-specs); no cancellation allowed after one week
of initial order date as procurement of materials has already started.)

Options available for Winco ASCO 300 Series 300020100F1 Auto Transfer Switch 1Ph 104A :

### Extended Warranty

+ No Extended Warranty, 2 Additional Years Parts and On Site Labor (Items under $1500.00) [SBMW2-1500], 4 Additional Years Parts and On Site Labor (Items under $1500.00) [SBMW4-1500].

### Shipping Surcharges

International Shipping By Fedex-Must Purchase Pay by PayPal.com Confirmed Account, Leave At Door No

*Generators Electrical > Transfer Switches > Winco ASCO 300 Series 300020100F1 Auto Transfer Switch 1Ph 104A*

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Signature Customer Waives All Rights Against Loss And Damage Proof Of Shipping Provided USA, International Shipping By US Postal Service-Must Pay By Wire Transfer, + Signature Required On All Deliveries.

*Availability: This product was added to our catalog on Friday 13 December, 2013*

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