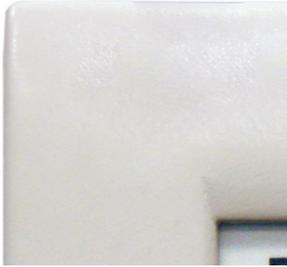


# ASCO POWERQUEST 5300 SERIES REMOTE TRANSFER SWITCH ANNUNCIATORS



Cat.  
5310  
1-Channel  
Remote  
Annunciator



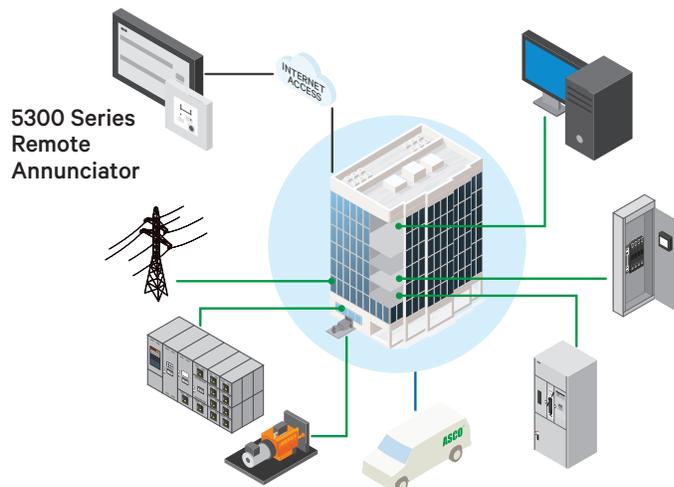
Cat.  
5350  
8-Channel  
Remote  
Annunciator

## Product Features

- Monitor and control up to 8 transfer switches at multiple locations per unit
- Embedded web pages for monitoring, diagnostics and configuring
- Compatible with the 185, 300, 900\*, 4000 and 7000 Series ATS's
- Ethernet technology is incorporated for faster and more reliable communications
- Scalable for future expansion
- Surface or flush mountable
- Built-in power supply
- Dual integrated Ethernet ports for daisy chaining other Ethernet devices or more Remote Annunciators
- Simple transfer switch one-line with LED indication of source availability, time delay, switch position, and transfer test
- Eight(8) Configurable audible alarms
- Key lock for security of all control functions
- Easy configuration via built-in secure web pages
- Power Supply accepts 24VDC, 120VAC, and 240VAC
- Endures 100ms power interruption ride through
- Status and Control for each ATS:
  - ATS Position
  - Source availability
- Time delay active
- ATS transfer test
- Bypass Transfer to Emergency and Retransfer to Normal time delays
- Common alarm active on Communications Failure, Locked Out, Fail to Synchronize, Extended Parallel, or Not in Auto conditions.
- Power Indication
- Lamp-Test Push Button (5350 only)
- Audible Alarms
- Alarm Silence Push Button

## The ASCO PowerQuest 5300 SERIES Remote Annunciator facilitates reliable monitoring, testing and control of ASCO transfer switches via built-in Ethernet technology.

With a quick glance, you will be able to monitor ATS position, source acceptability and alarm information. You may also transfer your transfer switches remotely with the push of a button. The remote annunciators are compatible with ASCO's new and legacy controllers and various protocols including Modbus. Ethernet is incorporated for more reliable, faster and secure communications. It also gives you the ability to monitor your transfer switches from any web-enabled device using your campus' Wi-Fi.



\* 5350 only



## Product Benefits

- Monitoring Capability– monitor transfer switches distributed throughout a site at a central or multiple locations
- Transfer Test Operation– remotely perform transfer test operation on individual switches with the push of a button
- Mobile Access Monitoring– View the remote annunciator from any mobile device using your campus' Wi-Fi
- Redundancy– utilize additional annunciators for real-time redundancy in various locations
- Scalability– additional remote annunciators can be daisy chained using integrated Ethernet ports
- Flexibility– Integrated Ethernet technology, support of ASCO Bus and Modbus protocols, and ability to interface with various controllers makes integration to existing systems easy
- All In One Solution– Power supply and Ethernet connectivity is built right into the devices eliminating the need for separate components



## ASCO 5300 SERIES Remote Annunciator Enables Flexible Configuration

Our line of 5300 Series Remote Annunciators are stand-alone, industrial grade interface devices providing transfer switch status indication and transfer control for up to 8 transfer switches per unit. Future expansion has never been easier with the built-in Ethernet daisy-chaining capability. Need to monitor additional switches? Connecting the Ethernet ports of remote annunciators together offers you the scalability you need, without degrading performance or reliability.

Embedded web pages accessible using an internet browser provide configuration, more detailed alarm information, and communications performance.

Configuration web pages are embedded for easy set-up, eliminating the need for additional software.

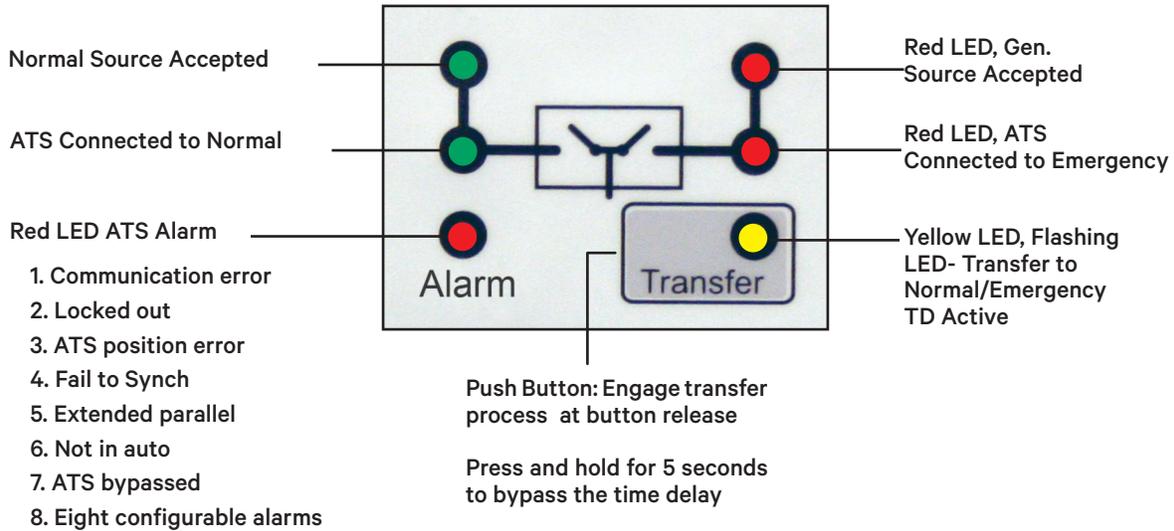
Configurations > Annunciator	
Annunciator Name	ATS1_4
Software Version Number	827419 - 001 <a href="#">Upgrade</a>
Hardware Address	00:00:68:1C:80:06
IP Address	155 . 104 . 6 . 250
Subnet Mask	255 . 255 . 255 . 0
Gateway Address	155 . 104 . 4 . 1
Port Number	10001
Encryption	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Buzzer Mode	Disable
Beep Every	10 mins
Silence Buzzer After	1 mins
<a href="#">Update</a>	

## Status LED's

From the front panel, the operator will be able view source acceptability, transfer switch position and common alarm as well as control the transfer switch for test

operations. The "Transfer" button provides transfer and re-transfer controls using the security key. The Transfer Amber light blinks faster as expiration of the transfer

time delay approaches giving you some indication of when the transfer will actually occur. The illustration below is the physical interface for each switch.



## Alarm Details

The remote annunciators have an alarm light indication as well as an audible alarm. More detail on alarms is available by logging into the embedded Alarm web page.

A list of all connected ATS's will be displayed along with specific alarms, such as Communication Error, ATS Locked Out, Fail to Synchronize and Extended Parallel. In addition to these standard alarms, up to 8 custom alarms may be configured using the discrete inputs of the ASCO 5200 I/O Accessory. Whenever these discrete inputs are asserted, the Alarm light on the front panel would become active, the audible alarm sound and its status on the web page will show ON.

Diagnositics → Digital Input Diagnostics

Digital Input Diagnostics for ATS-1

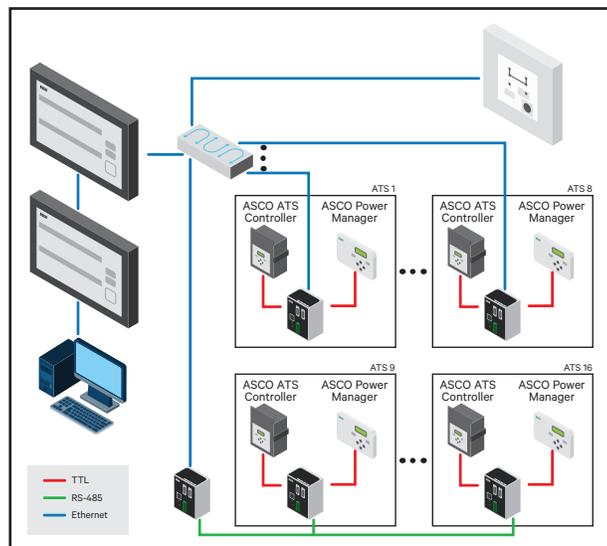
Digital Input	Alarm Enabled	Status
Under freq	ACTV	ON
rev power	ACTV	OFF
Input 2	INAC	OFF

## ASCO 5300 SERIES Ethernet Connectivity

Ethernet is the dominant communications medium for industrial applications. It provides the means for fast, reliable and flexible communications. This is why we have incorporated two 100Mb/s Ethernet ports with a single IP address; it is essentially a dual-port Ethernet switch.

Multiple Annunciators overseeing the same transfer switches can be placed in different locations, allowing redundant, distributed monitoring and control.

The remote annunciators are backward compatible and interface to ASCO's 185, 300, 900\*, 4000 and 7000 SERIES transfer switches with either an independent ASCO 72E or daisy-chained 72A connectivity modules. The network architecture to the right illustrates a single site utilizing both of these configurations utilizing two (2) 5350's to monitor 16 transfer switches, one (1) 5310 to monitor the critical transfer switch from a second location, and an ASCO PowerQuest 32.15 SCADA system for the operators' office.



\* 5350 only

## ASCO PowerQuest is Your Monitoring and Control Solution

The ASCO PowerQuest® Solution is a reliable comprehensive power monitoring and control system. Whether the monitoring solution is local, remote or web-based with E-mail Alarm notification, ASCO's PowerQuest® communication products along with our superior services and support can deliver.

The ASCO PowerQuest® 5300 Series enable facility, engineering and maintenance personnel to visually check the status of automatic transfer switches and conduct testing reliably. Locating the annunciator in work areas allows personnel to know the status of transfer switches simply by glancing at the bright green and red LED indicators.

Embedded web pages give the ability to monitor transfer switch status, view alarm detail and configure the annunciator without the need of installing additional software.

The ASCO PowerQuest® 5150 (Acc. 72E) Ethernet Connectivity Module will provide the best performance for speed and reliability. It converts and aggregates serial data from the automatic transfer switch controller and power manager into TCP/IP over Ethernet.

The ASCO PowerQuest® 5500 Series Thin Web Server empowers system managers to monitor metering and event log information from any computer with a browser and on

the network. It extracts data from both the ASCO Power Manger and Controller and uses this data to display information via Internet Explorer.

PowerQuest® 32.15 Software is a PC based package allowing monitoring and control of 32 transfer switches simultaneously. When combined with the ASCO Communications Interface module and the ASCO 5200 Series Power Manager, it provides the most economical communication system for monitoring and control of power transfer switches and engine generators.

### PowerQuest® Architectural Structure

- Compatible Devices
- ASCO SERIES 185 with Group 4 Controller
- ASCO SERIES 300 with Group 1 Controller
- ASCO 4000 SERIES with Group 5 Controller
- ASCO 7000 SERIES with Group 5 Controller
- ASCO 940 and 962

### Ordering Information

ASCO 5350, 8-Channel Remote Annunciator - Part No. 811440

ASCO 5350 Kit, 8-Channel Remote Annunciator Serial Kit - Includes Separate Flush and Surface Mount Enclosure with 72E and Power Supply Part No. K871966-001

ASCO 5310, 1 - Channel Remote Annunciator Part No. 827420

ASCO 5310 Kit, 1- Channel Remote Annunciator Kit - Includes 72E Connectivity Module Part No. K871966-002

### Specifications

#### Communications

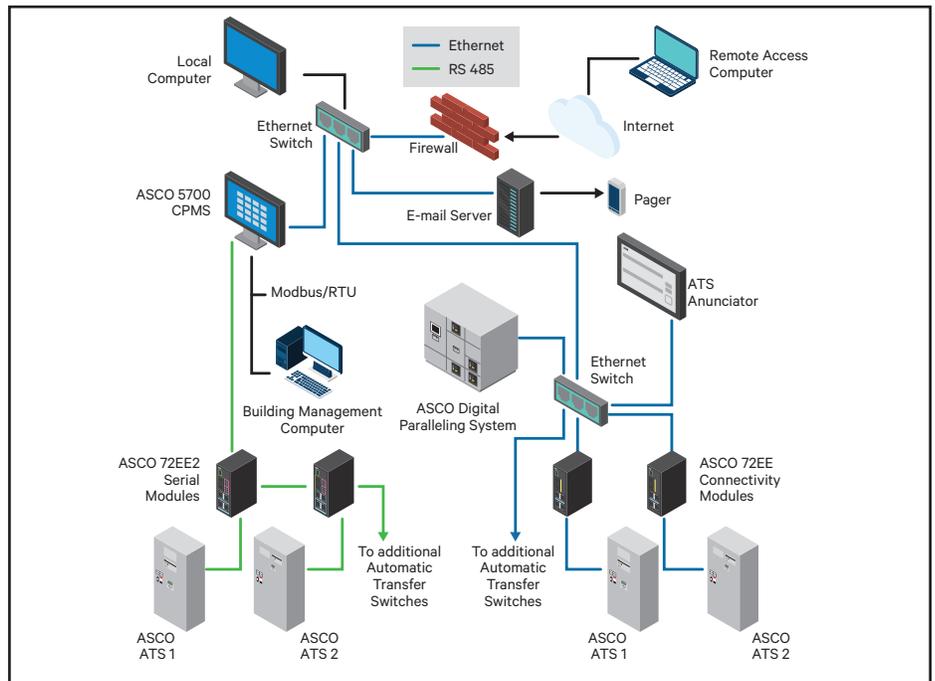
- Two 10/100 Base-T (RJ-45) Ethernet ports
- Half/Full duplex capability

#### Mounting

- Flush Mount
- Surface Mount

\* 5350 only

ASCO Power Technologies  
160 Hanover Road, Florham Park, NJ 07932



#### Power

	Nominal	Min/Max Voltage
DC Voltage	24VDC	9—36VDC
AC Voltage	120-220VAC	90—264VAC 50/60HZ

#### Environmental

- Ambient Operating Temperature: -4 to 158 deg F (-20 to 70 deg C) @ 5-85 % humidity
- Ambient Storage Temperature -40 to 185 deg F (-40 to 85 deg C)

#### Dimensions

**5350:** 19.7cm H x 25.3 cm L x 6.5 cm D  
**5310:** 11.4 cm H x 11.7 cm W x 9.9 cm D

### Additional Resources

**5350** ATS-8 Channel Remote Annunciator: Installation Manual, 381333-315 User's Guide, 381333-314

**5310** ATS-1 Channel Remote Annunciator: Installation Manual, 381333-317 User's Guide, 381333-316