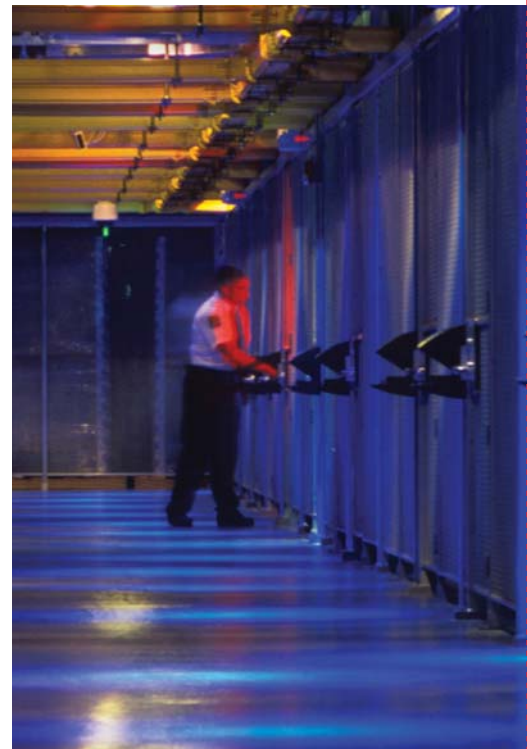


ASCO 5300 SERIES Remote Annunciators



ASCO®


EMERSON™
Network Power

24-hour protection
no matter when
trouble strikes

ASCO PowerQuest 5300 SERIES Remote Transfer Switch Annunciators



**Cat.
5310**

**1-Channel
Remote
Annunciator**



**Cat.
5350**

**8-Channel
Remote
Annunciator**

Product Features

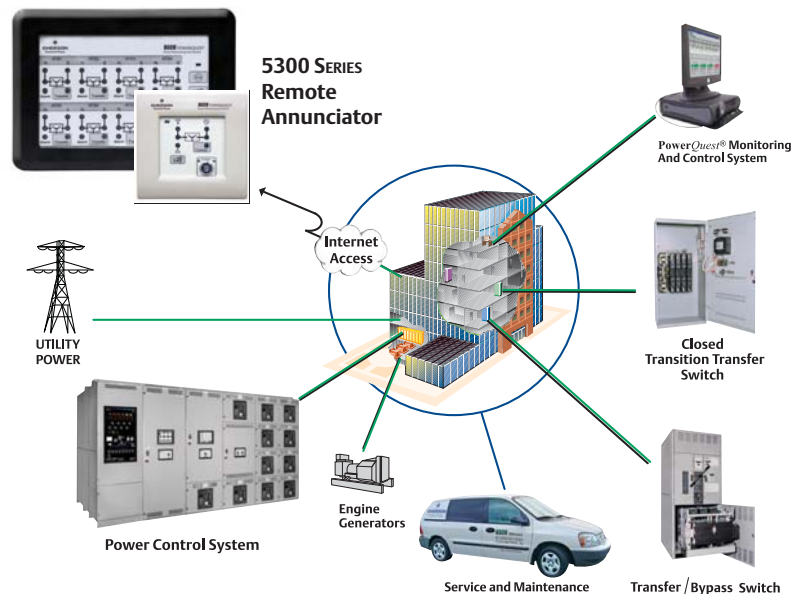
- Monitor and control up to 8 transfer switches at multiple locations per unit.
- Embedded web pages for monitoring, diagnostics and configuring
- Compatible with the 185, 300, 900*, 4000 and 7000 SERIES ATS's
- Ethernet technology is incorporated for faster and more reliable communications
- Scalable for future expansion
- Surface or flush mountable
- Built-in power supply
 - * 5350 only
- 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 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
 - Audible Alarms
 - Alarm Silence Push Button

World-class technology for
reliable power transfer



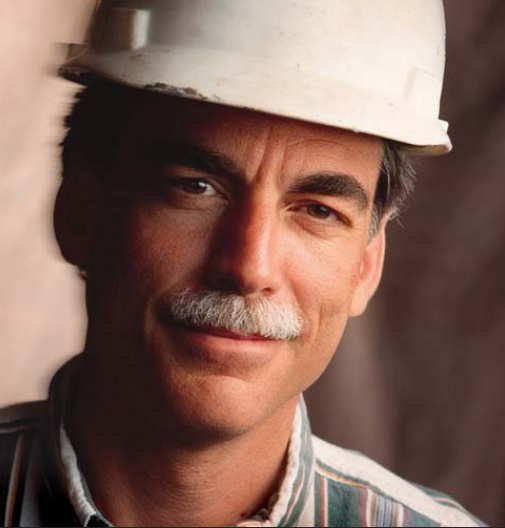
The ASCO PowerQuest 5300 SERIES Remote Annunciator facilitates reliable monitoring, testing and control of ASCO transfer switches via built-in Ethernet technology.

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.



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 of separate components



Maximum Reliability & Excellent Value



ASCO 5300 SERIES Remote Annunciator Product Interface

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 provides

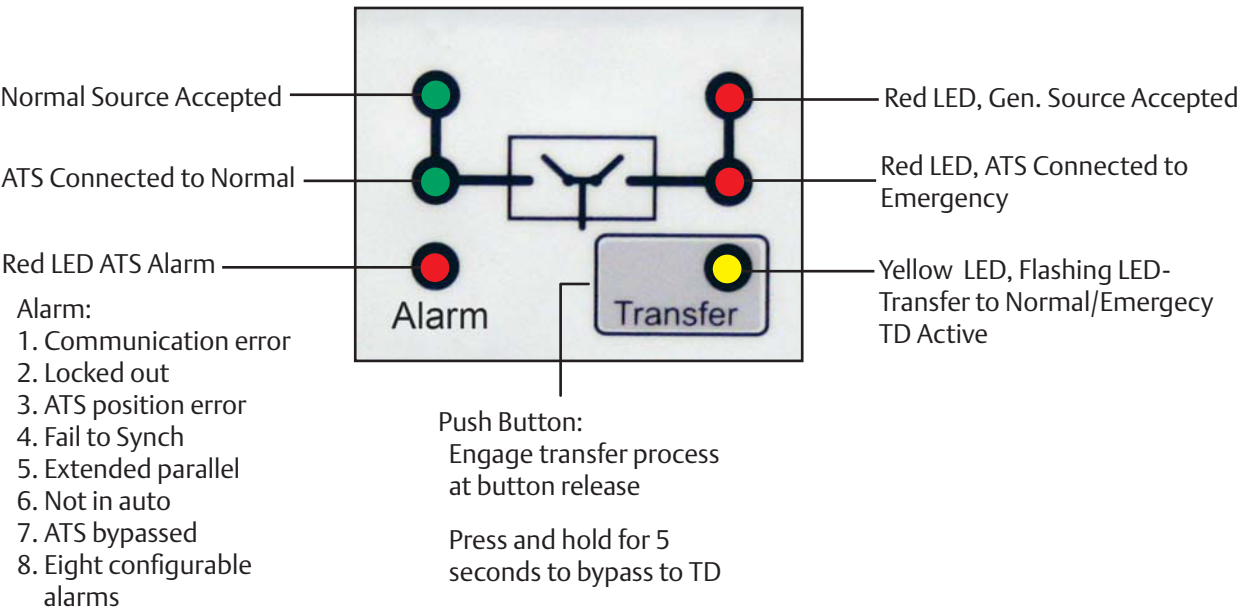
a mimic interface of the remote annunciator, more detailed alarm information, and communications performance. Configuration web pages are embedded for easy set-up, eliminating the need for additional software.

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.

Status LED's



Alarm Details

As mentioned above, 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 some 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. Now 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.

Digital Input Diagnostics for ATS-1		
Digital Input	Alarm Enabled	Status
under freq	ACTV	ON
rev power	ACTV	OFF

ASCO power solutions for
powerful peace of mind



ASCO 5300 SERIES Ethernet Connectivity

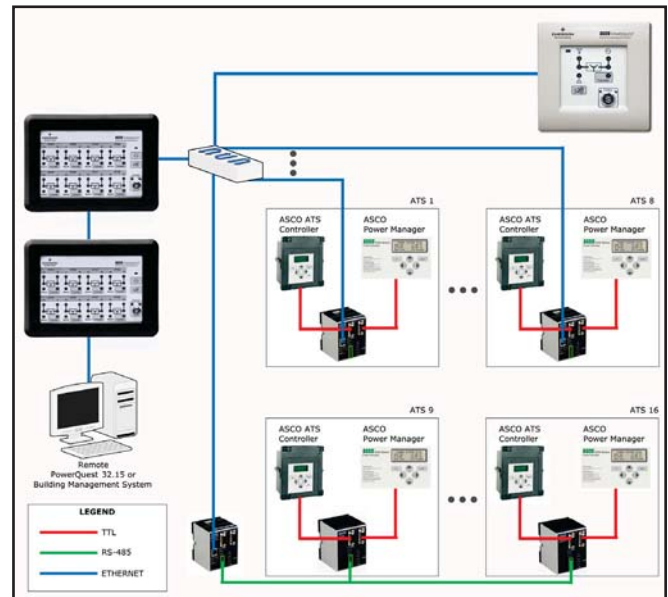
Ethernet is the prevalent communications medium for industrial applications. It provides the means for fast, reliable and flexible communications. This is why we have incorporated two 100Mb/s Ethernet ports with a single IP address; it is essentially a dual-port Ethernet switch.

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 interfaces 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 below....to "The network architecture to the right illustrates a single site utilizing both of these configurations utilizing two (2) 5350s 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 you want local, remote or web-based monitoring 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.

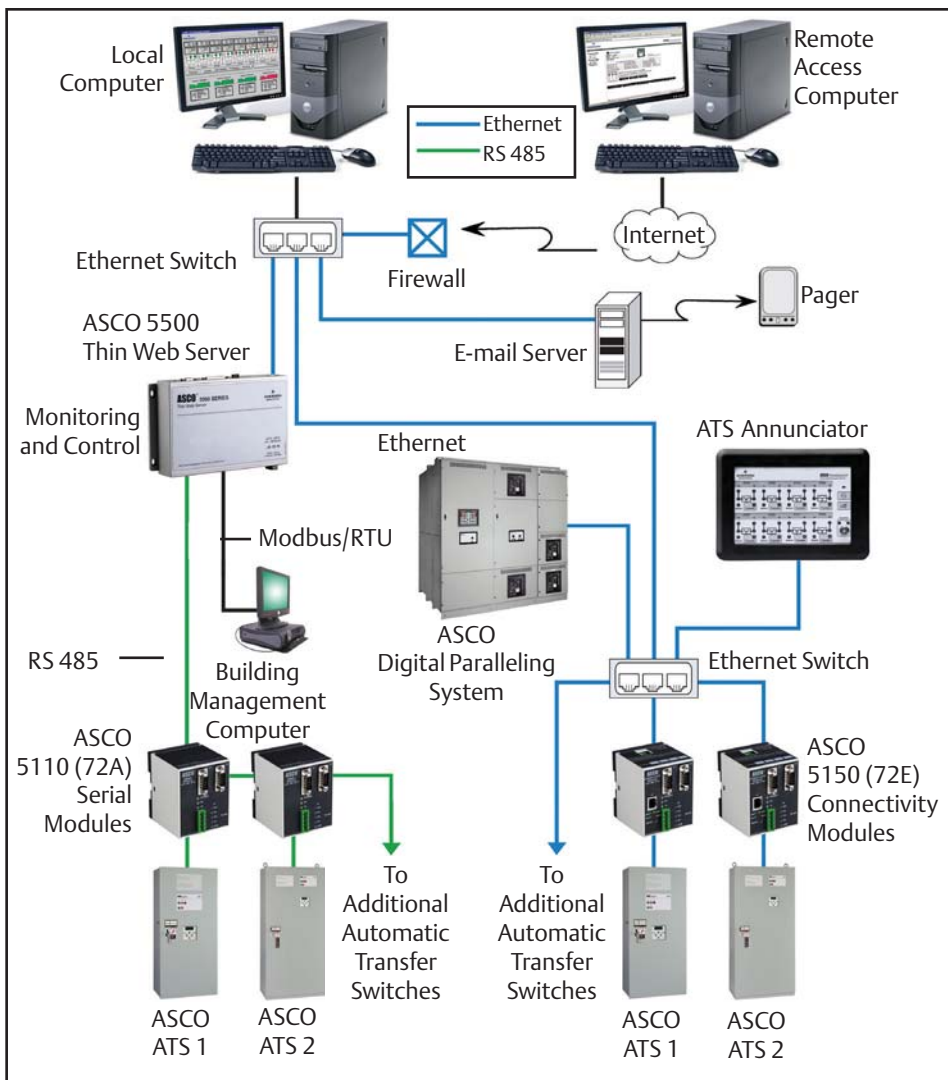
Locating the annunciator in work areas allows personnel to know the status of transfer switches simply by glancing at the bright green and red LED indicators. Embedded web pages give you the ability to monitor transfer switch status, view alarm detail and configure the annunciator without the need of installing additional software.

The ASCO PowerQuest® 5150 (Acc. 72E) Ethernet Connectivity Module will allow you to achieve the best performance in terms of 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 Manager 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
with Group 7A*
Controller
* 5350 only

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

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 °F (-20 – 70 °C) @ 5~85% humidity
- Ambient Storage Temperature
-40 ° to 185 °F (-40 ° to 85 °C)

Dimensions

5350 : 8W X 6H X 1.5D inches (203.2 X 152.4 X 38.1 mm)
5310 : 4.47W X 4.61W X 3.91D (11.35 X 11.7 X 9.92 cm)

Additional Resources

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

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

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