

**SUGGESTED SPECIFICATION FOR THE
ASCO POWERQUEST 5300 SERIES
ATS REMOTE ANNUNCIATOR**

5.02 REMOTE ANNUNCIATOR

General

Provide and install Remote Annunciators for monitoring and control of transfer switches remotely over Ethernet.

A. Hardware Specifications

The Remote Annunciator shall be listed to cUL-60950-1 and UL 1008 and include the following features and ratings:

- User-configured labels with ATS names and power sources
- Dual 10/100 Base-T auto sensing and auto crossover Ethernet ports
- LED indication of source acceptability, switch position, common alarm, time delay and Ethernet link activity
- Push button for transfer/retransfer control operations and time delay bypass
- Push buttons for Alarm Silence and Lamp Test
- Key lock to enable and disable the transfer push button
- Audible and visual alarm to indicate Communication Error ATS Locked Out Failure to Synchronize Extended Parallel and any of the 8 user-configured discrete inputs
- Programmable watchdog timer that can generate a system reset upon timeout (min 1 sec)
- Factory reset capability
- 100 ms power ride-through

B. Software Specification

The Remote Annunciator shall contain embedded web pages accessible via various web browsers with the following capabilities:

- Configuration for protocol and communications management with the ability of auto discovering transfer switches on network
- Ability to create and print customized labels for ATS names and power sources
- The ability to choose a continuous or periodic audible alarm with customizable interval time
- Ability to configure up to 8 discrete inputs as alarms
- View detailed packet status counters i.e. transmitted received and dropped packets with the ability to reset counters
- ATS source name configuration page which allows users to configure power source names and print labels
- Upgrade firmware locally without interfering with installation

C. Communications

Dual 10/100 Base-T (RJ-45) Ethernet ports are provided to support TCP/IP communications for up to eight transfer switches via individual remote connectivity modules or daisy-chained serial modules into a single connectivity module. Additional features include:

- Supports Full Duplex Flow Control (IEEE 802.3x)
- 3.3V power supply with 5V I/O tolerance
- Supports 3 LED's to indicate traffic link speed and collision

D. Mounting

The Remote Annunciator is suitable for:

- Surface mounting using mounting screws studs
- Flush Mount from behind a cutout section (Enclosure Door Mounting)
- Flush Mount from the front of a cutout section (Enclosure Door Mounting)

E. Power Supply

The Remote Annunciator shall be capable of accepting 24VDC 120 VAC or 240 VAC power source.

F. Environmental

The remote annunciator shall have an Ambient Operating Temperature range of -4 to 158 ° F (-20 – +70 ° C) @ 5~85% humidity and Ambient Storage Temperature of -40 ° to 185 ° F (-40 ° to 85 ° C).