

# Transfer Switch Remote Annunciator

## DESCRIPTION

The PowerCommand® Transfer Switch Remote Annunciator allows you to remotely monitor up to 8 transfer switches on one easy-to-read color LCD screen. At a glance, you will know the transfer switch position, source availability, and whether there are active events or alerts. An Intuitive user Interface provides you access to additional Information for each transfer switch Including source voltage, frequency, and alert logs and command functions to Initiate tests, override transfer timers, and load shed remotely.

- Market leading Intuitive design
- Color coded symbols and Icons
- Tactile feedback buttons
- Remote monitoring
- Detailed Information and history
- Remote test, override and shed control
- Fault & Event Notification
- Voltage and frequency metering



## FEATURES

**Connectivity** — Supports communication up to 8 transfer switches simultaneously via RS485 Modbus RTU (1000m max. distance), Modbus TCP/IP (100m max. distance), and includes support for one hardwire connected control.

**Flexible mounting options** — Three kits available for your convenience: Annunciator only, flush panel mounted with barrel-type keyed lock switch for ease of Installation In panel boards, and with wall-mountable Type 1 enclosure.

**No special tools needed** - Capable of being setup and configured via the annunciator's user interface without any additional software tools. Software tool is available for firmware update support if needed.

**Cybersecurity** — Cummins is committed to protecting our products from cyber threats. The remote annunciator has three levels of California SB-327 compliant password protection. A keyed lock switch Input allows for quick access to test and shed commands while securing deeper functions and configurations.

**Third-party support** — Supports basic annunciation (position, source availability, alarm) for one transfer switch via discrete I/O.

**Product certification** — UL1008 listed, RoHS compliant

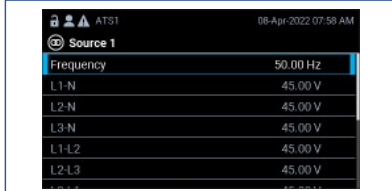
**Warranty and service** — Backed by a comprehensive warranty and worldwide distributor service network.



- Intuitive menu navigation to get you to the information you need quickly. Easy to read color display and icons designed specifically to communicate status at-a-glance.



- Top level display indicates high level transfer switch and source status in groups of four to reduce screen clutter and increase readability. Quickly and easily move between screens for switches 1-4 and 5-8.



- Selecting left or right from the transfer switch screen displays source frequency as well as L-L and L-N voltage for Source 1 and Source 2 respectively.

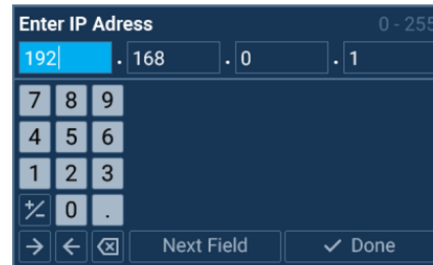


- Go one level deeper on any transfer switch to see average source voltage and frequency as well as any active events. This screen also provides access to remote test, transfer timer override, and remote load shed (switches 3-8).



- Alert log shows alert and event history for the transfer switch with the date and time as flagged from the onboard real time clock.

- On-screen data entry automatically changes between alphanumeric keyboard or numeric keypad depending on the type of data being entered for ease-of-use without additional software tools.



## HARDWARE SPECIFICATIONS

Power Supply Inputs 24-14AWG	2x (Main and Optional Backup), diode isolated
Modbus RTU	1x 3-wire RS485 network with Isolated ground and power supply
Modbus TCP/IP	1x RJ45 ISO 802-3 / IEEE 802.3 (10/100 Base-T) compliant
Discrete Inputs Connect to GND Active 24-14AWG	Key lock and return signal (default state is locked, jumper between to unlock) Hardwire Connected ATS: 1x Source 1 Connected 1x Source 2 Connected 1x S1 Available 1x S2 Available 1x ATS Fault/Alarm
Discrete Outputs Low Side Driver 0.5A DC Continuous 24-14AWG	1x Any Alarm 6x Load Shed (Pre-assigned to ATS 3-8) Hardwire Connected ATS: 1x Remote Test
Display	Built-in, TFT RGB 4.3"
DC Electrical Disturbances	IEEE C37.90.1, IEEE C37.90.2, and ISO 7637-2 compliant
ISO 9001	Manufactured under compliance with ISO9001 practices
EMC	EN 61000-6-2, EN 61000-6-4
Impact Protection	EN 62262, EN 50102
Regulatory Certification	UL 1008 listed and marked, RoHS compliant

## POWER SUPPLY REQUIREMENTS

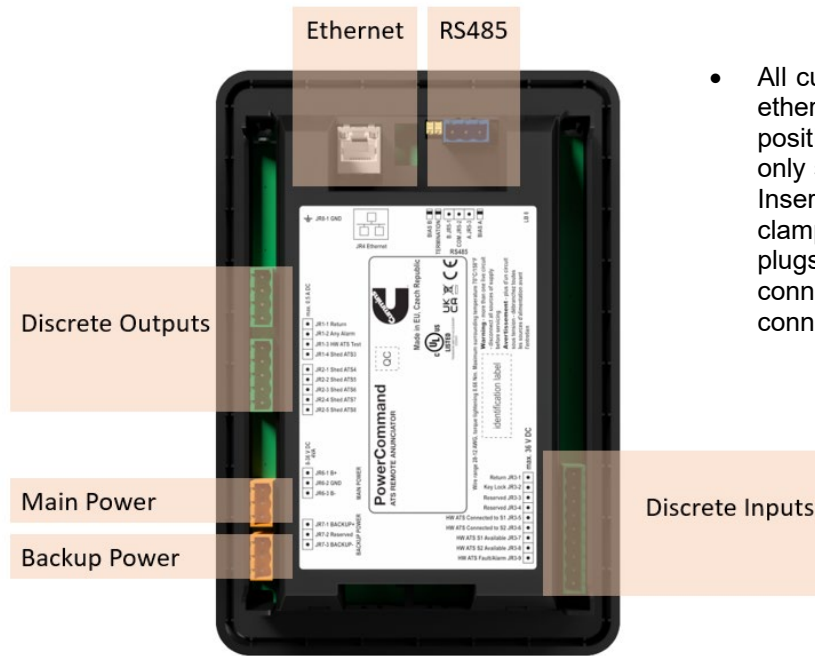
Voltage Range	8-36 VDC
Power	4 VA

The use of a protected DC power supply is recommended. Wiring to a battery source requires external MOV surge protection. The panel mounted and enclosed kit versions include a DIN rail for mounting of the optional DC power supply A072R956.

## ENVIRONMENTAL SPECIFICATIONS

Vibration	5-25Hz, +/- 1.6mm 23-100Hz, A=4g
Shock	$A_{max}=200m/s^2$
UV Protected	200nm-380nm
Temperature	Operating: -20 to 70°C Storage: -30 to 80°C
Humidity	Operating: up to 95%, non-Condensing, at 40°C Non-Operating: 10% to 95%, non-Condensing
Altitude	60m BSL to 2000m ASL

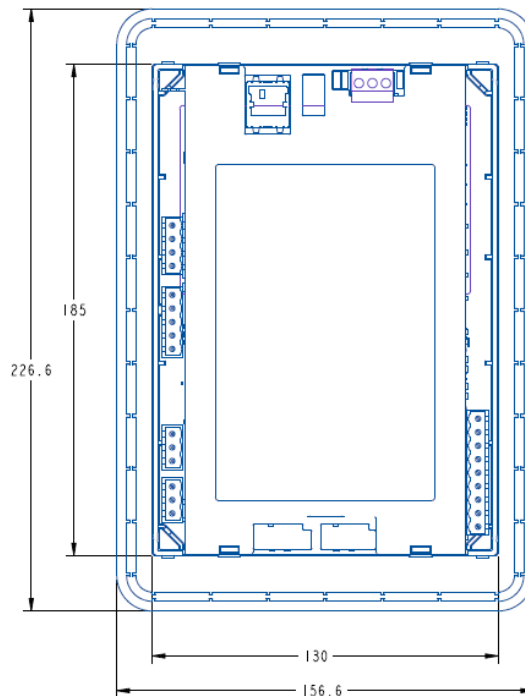
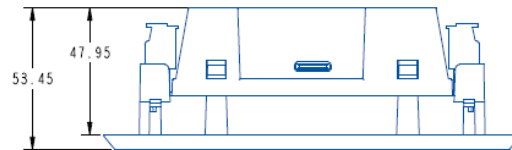
## DIMENSIONS



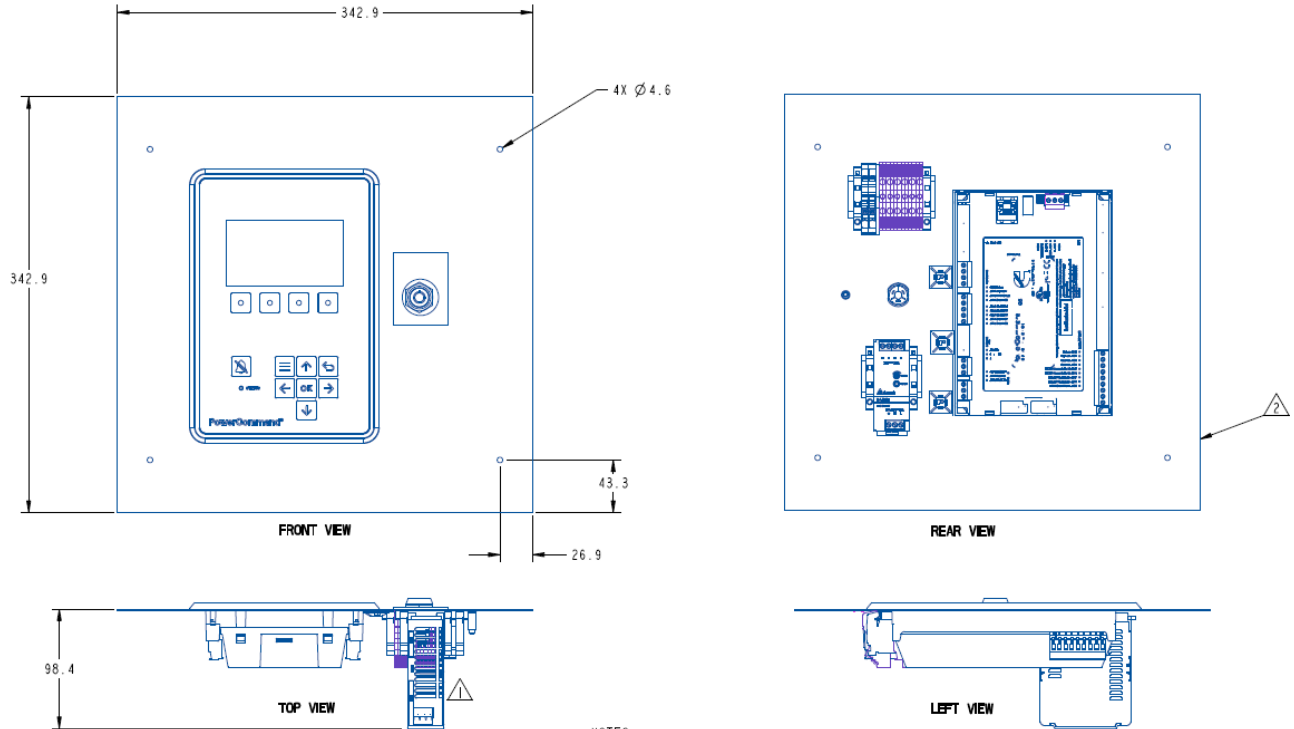
- All customer connection terminals, except ethernet, are two-part base and plug with positive locking mechanism (base side only shown in picture). Customer wiring is inserted into plug side via standard screw clamp terminals. For ease of installation, plugs can be removed from base for wiring connection and then re-inserted to connector base for operation.

### A068J036

The device is intended to be panel mounted. Recommended cutout size is 187mm x 132mm. Use the screw holders delivered with the device to affix the device in the panel. Recommended torque for holders is 0.15 Nm.

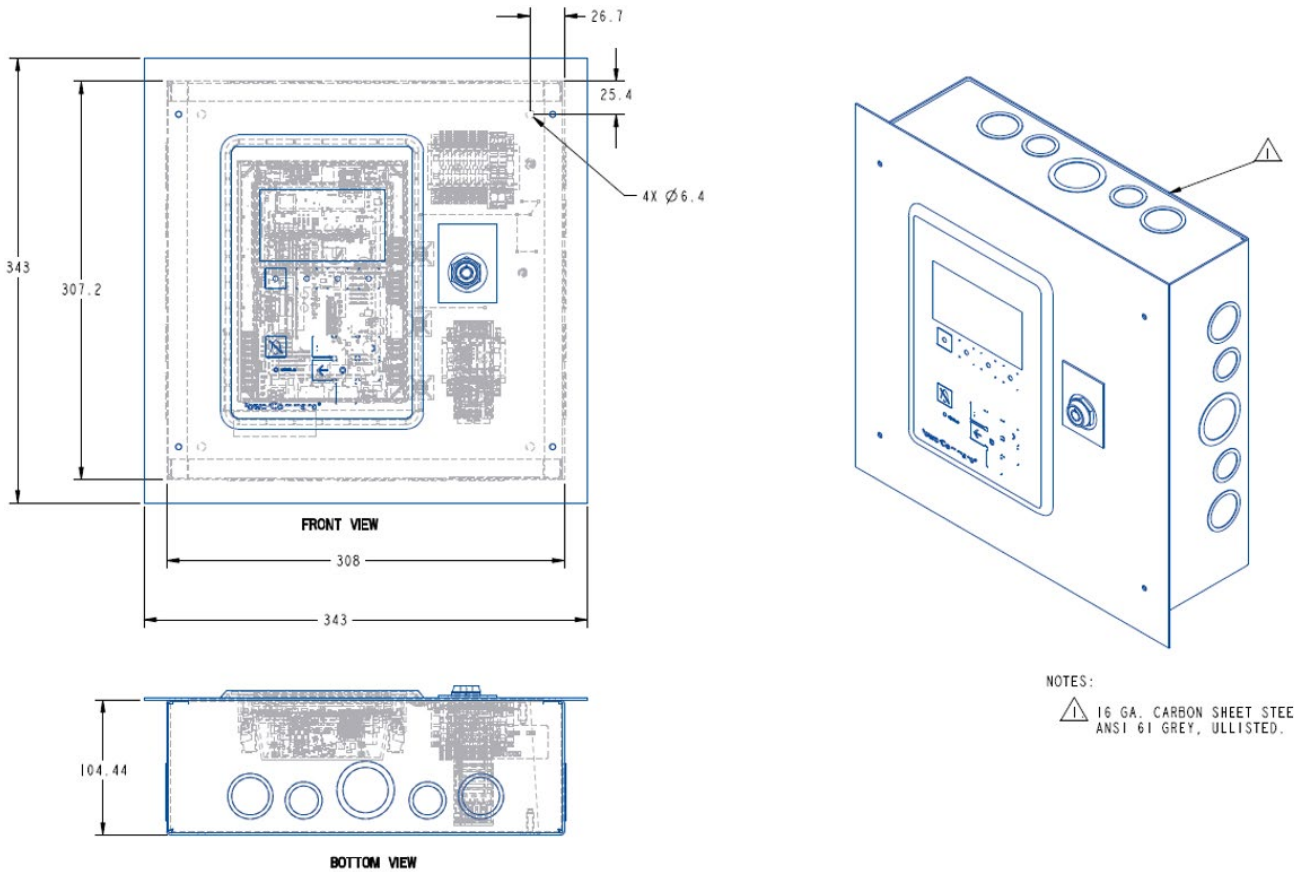


# A068J037



NOTES:  
 ▲ POWER SUPPLY SHOWN AS REFERENCE ONLY.  
 ▲ 16 GA. CARBON SHEET STEEL, ANSI 61 GREY.

# A068J038



NOTES:  
 ▲ 16 GA. CARBON SHEET STEEL, ANSI 61 GREY, ULLISTED.

## COMPATIBLE POWERCOMMAND CONTROLS

The transfer switch remote annunciator fully supports Modbus RTU and TCP/IP installation and communication with all X-Series transfer switches with PC80 controls.

Discrete I/O Is provided for remote load shed commands for up to 6 transfer switches (pre-assigned to switch position 3-8) and to support basic annunciation and remote test of one non-X-Series transfer switch or third-party transfer switch control.

### KIT PART NUMBERS

Part Name	Part Number	Description
Annunciator	A068J036	Remote annunciator only.
Panel Mounted Annunciator*	A068J037	Remote annunciator installed on 13.5" x 13.5" ANSI 61 grey 16ga steel flat mounting panel. 2-position barrel-type keyed lockout switch, power and discrete I/O reference plane connection terminal block, optional power supply mounting provision.
Enclosure Mounted Annunciator*	A068J038	Remote annunciator panel kit mounted to 12" x 12" x 4" ANSI 61 grey 16ga Type 1 UL listed steel wall-mount enclosure.
Optional DC Power Supply	A072R956	100-240VAC nominal input, 50-60Hz, 24VDC nominal output, 2.1A

\* Panel and Enclosed kits Include a terminal block that bonds the primary power Input B- to ground and provides additional customer connection points for ground plane return wires that can be used to ensure communications between annunciator and remotely located transfer switch controls are operating on the same voltage reference.

\* Keyed lockout switch is provided with one key with a randomly assigned three-digit key code. Additional keys may be ordered at [nkswitches.com](http://nkswitches.com) using PN AT4152-xxx (xxx = KEY CODE).

For more information, please contact your local Cummins distributor or visit [cummins.com](http://cummins.com)

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