



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**50133626 - ONE TIME PURCHASE OF CARMANAH SOLAR PEDESTRIAN
CROSSWALK ASSEMBLY FOR JEFFERSON PARISH TRAFFIC
ENGINEERING**

Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

23-Feb-2021 09:09:53 AM



JEFFERSON PARISH

DEPARTMENT OF PURCHASING

CYNTHIA LEE SHENG
PARISH PRESIDENT

RENNY SIMNO
DIRECTOR

September 2020

Changes to Jefferson Parish Bidding Information

The Jefferson Parish Purchasing Department would like to make vendors aware of the following changes:

Total Bid Price Must Include the Cost of Naming Jefferson Parish as Additional Insured:

Bidder acknowledges that Bidder recovered the cost of any required insurance in the contract price as required by La.R.S. 9:2780.1 and that Bidder recovered any such cost for the purposes of insuring an obligation to indemnify Jefferson Parish, defend Jefferson Parish, or hold Jefferson Parish harmless and that Bidder's indemnity liability is limited to the amount of the proceeds that are payable under the insurance policy or policies that Bidder has obtained.

Electronic Procurement: Beginning November 1, 2020, Jefferson Parish will no longer accept manual bid submissions; and will only accept bid submissions electronically via our e-Procurement system, Central Bidding. Central Bidding can be accessed by visiting either www.centralbidding.com or www.jeffparishbids.net. All bidders will be required to register with Central Bidding. Jefferson Parish vendors are able to register for free by accessing the following link:
<https://www.centrauctionhouse.com/registration.php>.

Probable Construction Cost: Per Jefferson Parish Administrative Policy, the probable construction cost is not revealed in the Jefferson Parish Bidding Documents. Jefferson Parish Administrative Policy has changed and a range of the probable construction cost will be stated in the Jefferson Parish bidding document, entitled Important Notice to All Bidders – Bid Requirements. Per Louisiana Public Bid Law, the probable construction cost will be read at the bid opening.

Insurance Requirement: All bidders must provide proof of valid insurance in the required amounts as stated in the Standard Insurance Requirements for bidding purposes. Failure to provide the proof of valid insurance in all of the required coverage amounts will result in bid rejection.

GENERAL GOVERNMENT BLDG. – 200 DERBIGNY ST., SUITE 4400, GRETNA, LA 70053
OFFICE 504.364.2678

JOSEPH S. YENNI BLDG. – 1221 ELMWOOD PARK BLVD., SUITE 404, JEFFERSON, LA 70123
OFFICE 504.364.2678

EMAIL: PURCHASING@JEFFPARISH.NET WEBSITE: WWW.JEFFPARISH.NET



Bid Number 50 - 133626

**ONE TIME PURCHASE OF CARMANAH
SOLAR PEDESTRIAN CROSSWALK ASSEMBLY
FOR JEFFERSON PARISH TRAFFIC ENGINEERING**

2/24/2021 11:00 AM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site, www.jeffparishbids.net, by the bid due date and time.

**Buyer Name: Brenda Bellow, Buyer I
Buyer Email: bbellow@jeffparish.net
Buyer Phone: 504-364-2683**

DATE: 2/18/2021

INVITATION TO BID
THIS IS NOT AN ORDER

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BID NO.: 50-00133626

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: BBELLOW@jeffparish.net

Bids will be received until 11:00 AM, 2/24/2021 via online at www.jeffparishbids.net.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2602(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647 as amended. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder by the bidder placing the Addendum number in the appropriate section. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A1 17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

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1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies). When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is an as needed basis contract. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DATE: 2/18/2021

BID NO.: 50-00133626

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INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 2/18/2021
BID NO.: 50-00133626

INVITATION TO BID
THIS IS NOT AN ORDER

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: BBELLOW

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

DELIVERY: FOB JEFFERSON PARISH	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>30 - 45 days ARO</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	_____
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	_____

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
 NUMBER: _____
 NUMBER: _____
 NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) N/A

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME: K&K Systems, Inc.	
SIGNATURE: (Must be signed here) <i>Troy G. Keith, pres</i>	TITLE: President
PRINT OR TYPE NAME: Troy G. Keith	
ADDRESS: 687 Palmetto Road	
CITY, STATE: Tupelo, MS	ZIP: 38801
TELEPHONE: (662) 566-2025	FAX: (662) 566-7123
EMAIL ADDRESS: info@k-systems.com	

TOTAL PRICE OF ALL BID ITEMS: \$ 12,884.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00133626

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	3.00	EA	<p>ONE TIME PURCHASE OF CARMANAH SOLAR PEDESTRIAN CROSSWALK ASSEMBLY FOR JEFFERSON PARISH TRAFFIC ENGINEERING</p> <p>0010 CARMANAH SC315-G RRFB RECTANGULAR RAPID FLASHING BEACON IN BLACK</p>	\$ 3,696	\$ 11,088
			<p>**Alternative Brand/Model: K&K Systems model RRFB-D</p> <p>RRFP SOLAR PEDESTRIAN CROSSWALK ASSEMBLY</p> <p>INCLUDES: CARMANAH SC315-G RRFB SOLAR ENGINE W/ MOUNTING FOR 4 1/2" O.D PEDESTAL POST 55 AHR. BATTERY, 50-WATT SOLAR PANEL 2, RRFB LIGHT BARS W/ CONFIRMATION LIGHTS & 16' LIGHT BAR HARNESSSES POLARA BULLDOG 3 PUSHBUTTON 2, W11-2 AND W16-7P SIGNS W/ BRACKETS</p>		
2	1.00	EA	<p>0020 PEDESTAL POLE ASSEMBLY</p>	\$ 1,146	\$ 1,146
			<p>**Alternative Brand/Model: K&K Systems model CCTR-15 4-1/2" O.D. SCH40 pole, pedestal base - with drive base anchor</p> <p>PELCO POLE ASSEMBLY - 12' ALUMINUM POLE (4 1/2" O.D.), OCTOGONAL BASE, & SCREW IN ANCHOR</p>		
3	2.00	EA	<p>0030 2" SQUARE SIGN POST</p>	\$ 325	\$ 650
			<p>SHIPPING INCLUDED</p> <p>SEE ATTACHED SPECS</p>		

SC315-G

RECTANGULAR RAPID FLASHING BEACON



carmanah
Traffic

MUTCD-compliant, pedestrian-activated warning beacon for uncontrolled marked crosswalks

- Improve pedestrian safety by increasing driver yield rates
- Passive activation: microwave-based sensor detects pedestrian
- Audible push button station
- Solar power performance even in partially shaded applications
- Solar and AC-powered models wirelessly communicate and can be used together in the same application
- Meets and exceeds MUTCD requirements, including IA-21

RRFBs have been found to provide vehicle yielding rates between 72 and 86 percent for crosswalk applications, including 4 lane roadways with average daily traffic (ADT) exceeding 12,000*.

Superior Design and Technology

The SC315-G is a cabinet-based system with a separate, high-power solar panel. This design enables the SC315-G to work with audible push button stations, passive activation sensors, and remote monitoring, as well as operate at higher intensities and increased activations in challenging environments. MUTCD interim approval IA-21 flash pattern and multiple configurations enable the SC315-G to handle all crosswalk applications.

Easy Installation

All components, including the battery or AC power supply, Energy Management System (EMS) and optional audible push button controller are housed in a compact, lockable, purpose-built enclosure. It also incorporates a wire routing and termination system, and all components are wired at the factory for an efficient installation.

Advanced User-Interface

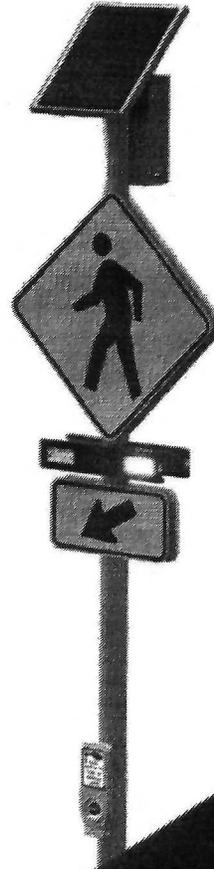
The SC315-G comes with an on-board user interface for quick configuration and status monitoring. It allows for simple in-the-field adjustment of flash pattern, duration, intensity, ambient auto adjust, night dimming, and many more. Settings are automatically sent wirelessly to all units in the system.

Compatibility

Compatible with Carmanah RRFBs and the R820-E, R820-F, and R820-G circular beacons. Interchange solar and AC power models within the same application.

Trusted

With thousands of installations, Carmanah's beacons are the benchmark in traffic applications and other transportation applications worldwide.



WE SIMPLIFY PLANNING.

Contact us to get your Energy Balance Report and purchase specifications.



1-844-412-8035



traffic@carmanah.com



carmanahtraffic.com

REPRESENTED IN YOUR REGION BY:

* U.S. Department of Transportation Federal Highway Administration, Publication No. FHWA-VR-18-042 - Effects of Yellow Rectangular Rapid-Flashing Beacons on Yielding at Multilane Uncontrolled Crosswalks

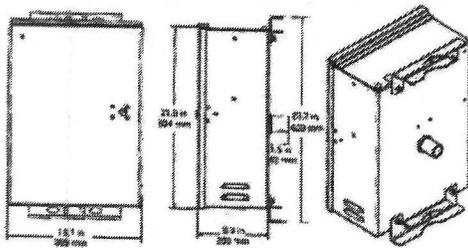
SC315-G

RECTANGULAR RAPID FLASHING BEACON

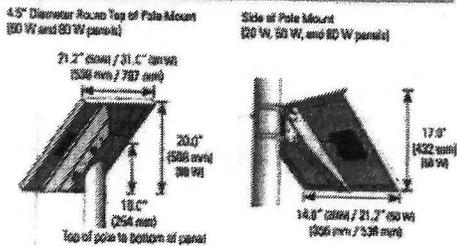


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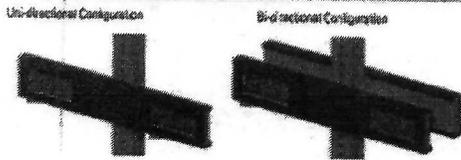
CABINET DIMENSIONS



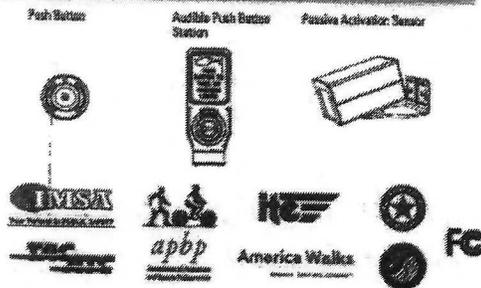
SOLID FRAME MOUNTING



LIGHT BAR CONFIGURATION



ACTIVATION OPTIONS



Specifications subject to local environmental conditions, and may be subject to change. All Carmanah products are manufactured for facilities that are certified to ISO 9001 quality standards. US Patent No. 6,573,088. Other patents pending. "Carmanah" and Carmanah logo are trademarks of Carmanah Technologies Corp. © 2014, Carmanah Technologies Corp. Document: SPEC_TRA_SC315-G_RevA

	<p>Adjustable system settings with auto-scrolling LED display or our remote EM4</p> <p>System test, status, and fault detection: battery, solar button, beacon, radio, display</p> <p>Flash patterns: 9991 (9991-5), 9992 (9992-1), 0.5 sec. alternating 9991/9992, 0.5 sec. on/off (9991/9992), 0.1 sec. on/off, 0.25 sec. on/off, 0.1 sec. x3 quick flashes on/off, 2.1 sec. x3 quick flashes alternating</p> <p>Input: emergency for push button activation, normally open switch, normally closed switch</p> <p>Flash duration: 0.5 sec. to 1 hr.</p> <p>Intact duty cycling: 20 to 100% for multiple RFPDs, circular beacons, or LED ambient signs</p> <p>High-intensity dimming: 10 to 100% of daytime intensity</p> <p>Ambient Auto Adjust: increases intensity during bright daylight</p> <p>Automatic Light Control: reduces intensity if the battery is extremely low</p> <p>Temperature connections: yellow or red beacons</p> <p>Calculator: internet time clock function</p> <p>Radio settings: analog/digital, selectable channel from 1 to 14</p> <p>Output: enabled when beacons flashing daytime and nighttime, or separate only</p> <p>Activation controls and data reporting via OBDII or optional USB connection</p> <p>UL/ETC safety approval (A-21 and UL/ETC compliant)</p> <p>Plastic heat light bar covers - minimum efficiency and no stray light</p> <p>Exceeds SAE J588 class 1 intensity by 2.5 to 3x when used as recommended</p> <p>Meets SAE J576 chromaticity</p>
On-Board User Interface (OBU)	
Optical	<p>3 in (76 mm) x 7 in (178 mm) size, 30-watt polycarbonate lens with yellow LEDs</p> <p>High-power LEDs: >80% lumen maintenance (LM) based on IES TM-30</p> <p>Side-emitting protection: confirmation LEDs</p> <p>Independent, stainless steel mounting brackets make back-to-back installation simple and enable in-field aiming for maximum effectiveness</p> <p>Yellow, black, or green powder coated light bar covers</p> <p>Emergency, wireless radio with 2.4 GHz mesh technology</p> <p>Wireless update of settings from any unit to all systems on the same radio channel</p> <p>User-selectable multiple channels to group different beacons and ensure a robust wireless signal</p>
Connectivity	<p>Communicates with all other SC315 radio-enabled systems including our 900MHz, 4, and 8 circular beacons</p> <p>Instantaneous wireless activation: <150 ms</p> <p>Wireless range: 1000 ft (305 m)</p> <p>Integrated, vertical-mount antennas</p>
Power System	<p>Solar or AC-powered</p> <p>AC: 90-264 VAC input, 0-14 A@VAC</p> <p>Replaceable AC-DC power supply circuit board, terminal block wiring</p>
Energy Collection	<p>20 sq. ft. or 80 sq. ft. high-efficiency photovoltaic solar panel</p> <p>45 deg tilt for optimal energy collection</p> <p>Maximum Power Point Tracking with Temperature Compensation (MPPT-VOC) battery charger for optimal energy collection in all solar and battery conditions</p>
Energy Storage	<p>12 V battery system with multiple sizes: 33, 35, 75, 100 Ah</p> <p>Replaceable, recyclable, sealed, maintenance-free, lead-in-class AGM batteries offer the widest temperature range and longest life</p> <p>Battery design life: >5 yrs</p>
Cabinet Construction	<p>Weatherproof, galvanized enclosure with vents for ambient air over/under-pressure</p> <p>Lockable, hinged door with 42 lock</p> <p>Corrosion-resistant aluminum with stainless steel hardware</p> <p>Flow aluminum finish or yellow, black, or green powder coated</p> <p>Designed to minimize installation time</p> <p>High-efficiency optics and EMS - the most compact, lightweight system</p>
Environment	<p>-40 to 160° F (-40 to 34° C) system operating temperature</p> <p>-40 to 160° F (-40 to 34° C) battery operating temperature</p> <p>150 mph (241 kph) wind speed as per AASHTO LTS-5</p>
Activation	<p>Push button, ADA-compliant, photo-driven with visual LED and two-tone audible confirmation</p> <p>Audible push button station: ADA-compliant, photo-driven with visual LED and continuous voice message confirmation</p> <p>Passive activation: microwave-based sensor detects pedestrian</p>
Warranty	5-year limited warranty

RRFP SOLAR PEDESTRIAN CROSSWALK ASSEMBLY SPECS

TRAFFIC ENGINEERING DIVISION

Carmanah SC315-G RRFB Rectangular Rapid Flashing Beacon in Black (3 needed)

Includes:

Carmanah SC315-G RRFB Solar Engine with mounting for 4 ½" o.d. pedestal post

55 Ahr. Battery, 50-watt solar panel

2, RRFB Light bars with confirmation lights & 16' light bar harnesses

Polara Bulldog 3 Pushbutton

2, W11-2 and W16-7P signs with brackets

Pedestal Pole Assembly (1 needed)

Pelco Pole Assembly – 12' aluminum pole (4 ½" o.d.), octagonal base, & screw-in anchor

2" Square Sign Post (2 needed)



Tel: 888-414-3003
Web: www.k-ksystems.com
Fax: 662-566-7123
Email: Sales@k-ksystems.com

February 24, 2021

Jefferson Parish
Purchasing Department
PO Box 9
Gretna, LA 70054

RE: Alternative Brand & Model Offered

To Whom It May Concern:

K&K Systems is pleased to offer model RRFB-D for BID 50-000133626, regarding the one time purchase of a Solar Pedestrian CrossWalk Assembly for Jefferson Parish Traffic Engineering. Our product will meet or exceed all performance requirements, using less power than the example product. Design differences are listed below.

RRFP SOLAR PEDESTRIAN CROSSWALK ASSEMBLY INCLUDES:

- Carmanah SC315-G RRFB Solar Engine w/mounting for 4 ½" O.D Pedestal Post
- 55AHR battery
- 50-Watt solar panel
- 2, RRFB Light Bars w/confirmation lights & 16' bar harnesses
- Polara Bulldog 3 Pushbutton
- 2, W11-2 and W16-7P signs w/brackets

The K&K Systems model RRFB-D Pedestrian Crosswalk Assembly will include:

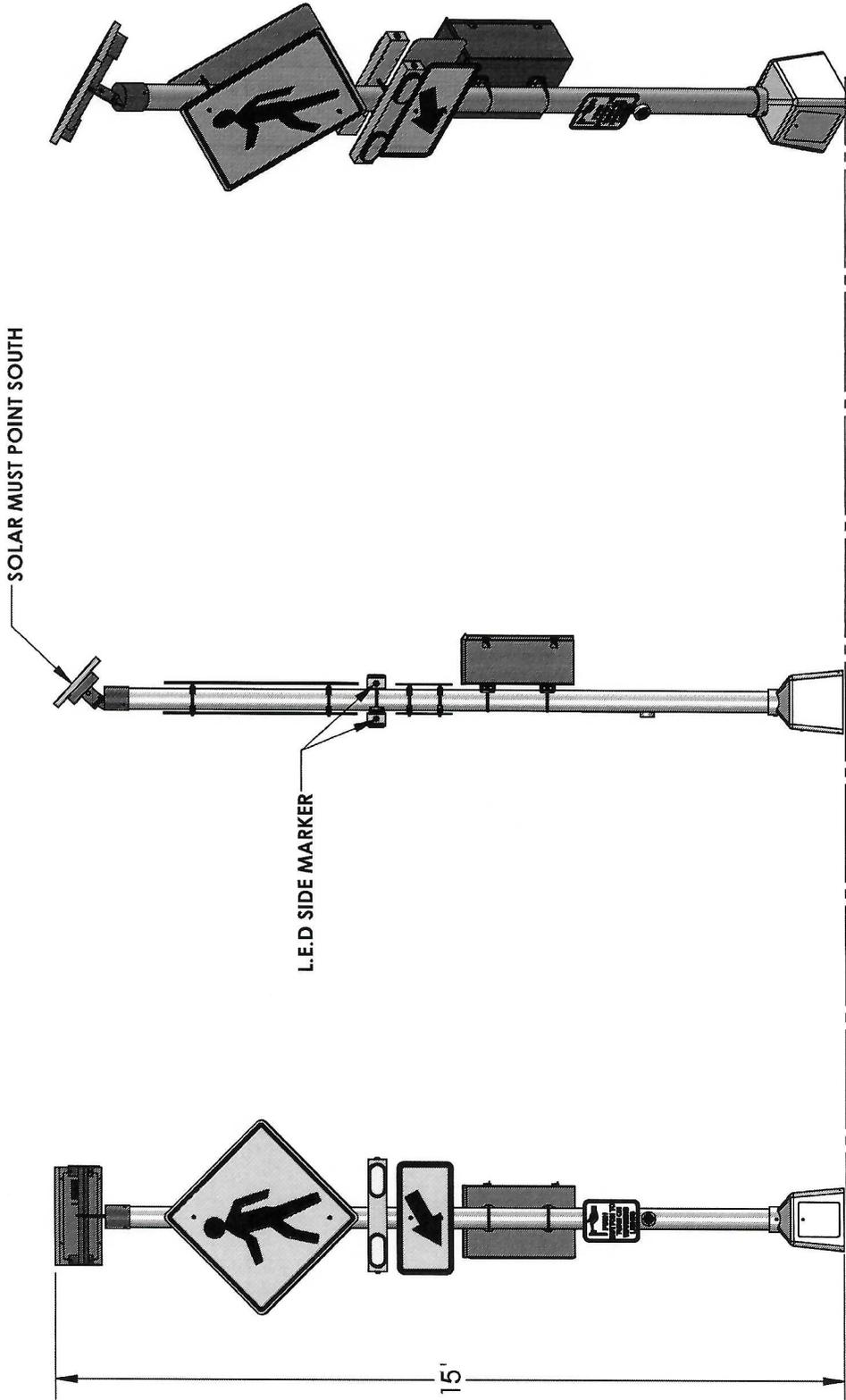
- ★ **K&K Systems RRFB Solar Engine with mounting for 4 ½" O.D Pedestal Post**
- ★ **55AHR battery**
- ★ **40-Watt solar panel**
- ★ **Two (2) RRFB Light Bars with confirmation lights**
- ★ **Campbell Company 4EVER Pushbutton, with LED and audible tone**
- ★ **Two (2) W11-2 and two (2) W16-7P signs with brackets**
- ★ **Five (5) year warranty**

If you have any questions, please feel free to call or email at your convenience. Thank you for your consideration! We look forward to working with you soon. Have a wonderful day!

Sincerely,

Troy G. Keith, President
K&K Systems, Inc.

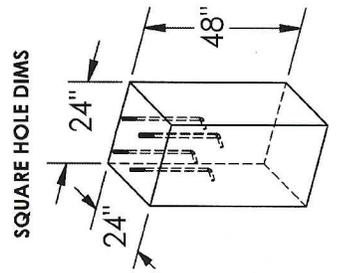
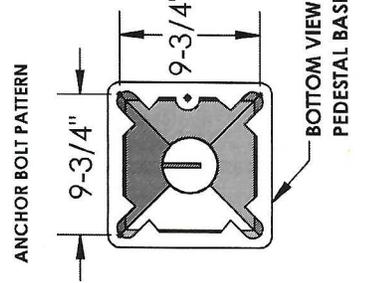
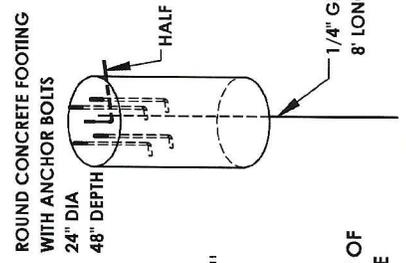
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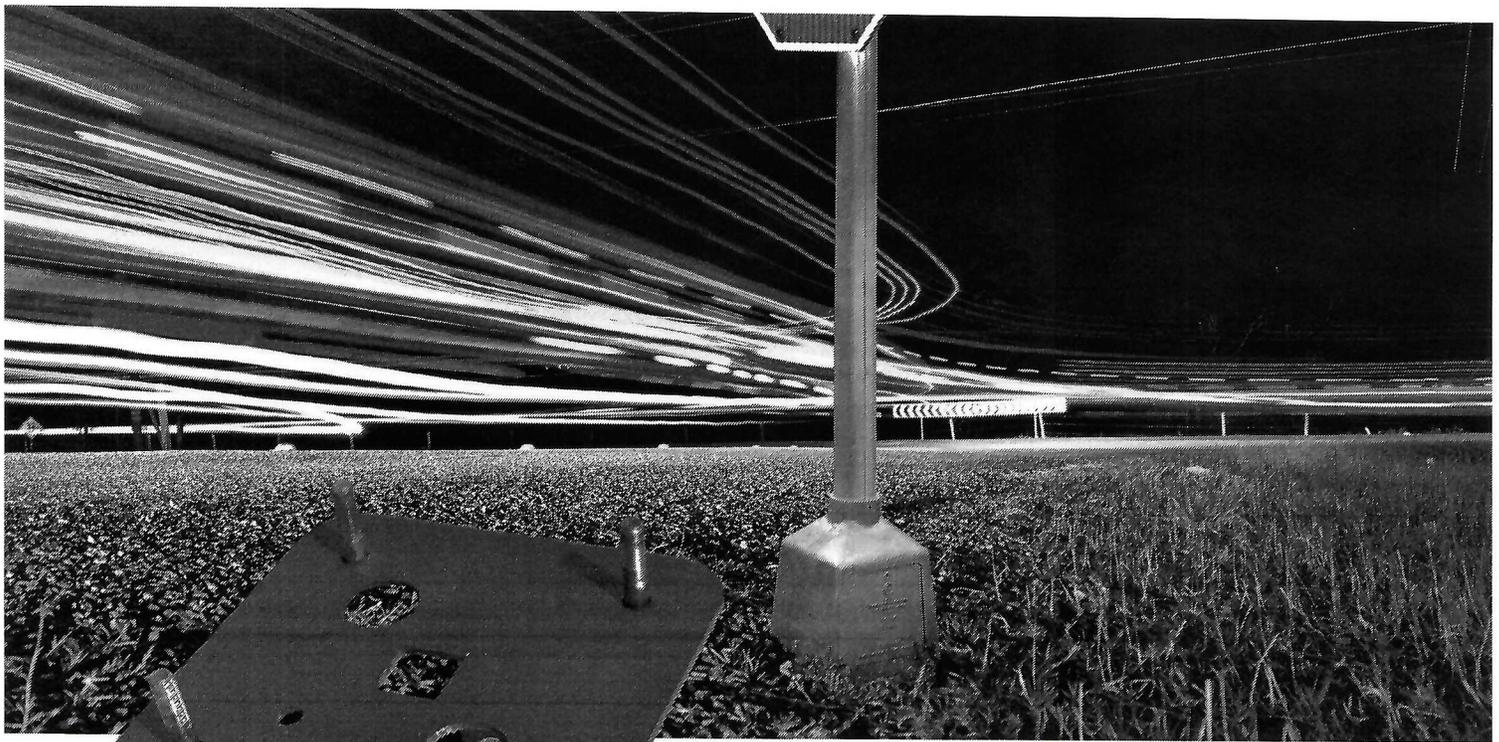


OFFICE: (662)-566-2025		WWW.k-k-systems.com	
TITLE:		ECO- RRFB DOUBLE SIDED DC OPTION	
SIZE	DWG. NO.	REV	
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SCALE: 1:48		SHEET 1 OF 1	

NAME	DATE
D.S.	5/26/2017
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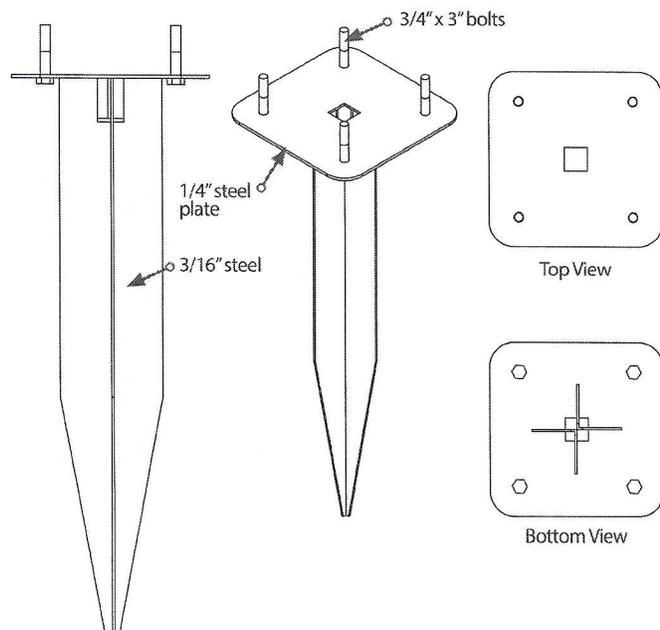
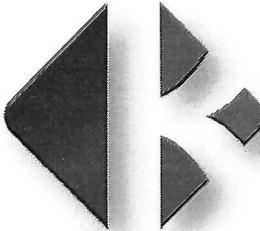
PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.





DRIVE BASE PEDESTAL ANCHOR

The K&K Systems' Drive Base provides a solid base for erecting sign posts. The Drive Base driven into the ground and instantly provides a solid anchor for K&K's round post pedestal. All steel construction (1/4" top plate and 3/16" spike), 3/4" x 3" bolts galvanized bolts, and powder coat painting assures long service. Should the Drive Base need to be removed, it can be lifted from it's location and be reused. No concrete is needed for installation which means there's no concrete to break up if the drive base is removed. Drive Base lengths are available in 42", 48" and 60".

K&K Systems, inc.
Traffic Safety Products Manufacturer



The 4EVR is one of Campbell Company's trusted pedestrian push button solutions that continues to deliver reliability, long-life, and state-of-the-art quality. Its high strength machined aluminum construction has proven to survive impacts and is vandal-resistant. An LED and audible tone provide the pedestrian with feedback that a call has been placed. Feedback options include; Latching LED and audible dee dah tone, momentary LED and audible dee dah tone, and no LED and Audible dee dah tone. The 4EVR can be configured with latching/momentary or no LED. In the latching mode the pilot light is lit when the call is placed and remains on until the walk display is energized. All push buttons on the phase are synchronized. Latching mode requires a PBI-L or PBIC-L.

KEY BENEFITS & FEATURES

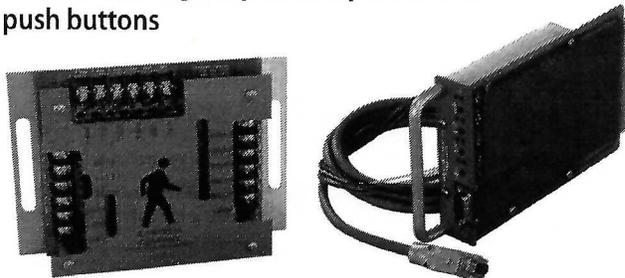
- 5 Year Warranty!
- Digitally controlled
- Simple & Easy Installation
- Virtually vandal proof
- Cannot be stuck in constant call
- Exceeds NEMA transient requirements

DESIGNED FOR THE AGENCY

- Solid State Piezo Switch
- Pressure Sensitive
- LED and Audible Tones
- ADA and MUTCD Compliant

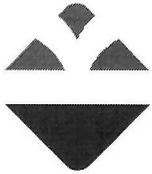
PUSH BUTTON ISOLATOR: Rack and Shelf

- PBI provides an isolated input circuit in a number of configurations including Latching or Momentary, 120 VAC or 24 VDC.
- The PBI mounts anywhere in the traffic cabinet.
- The PBIC fits into a 170 card file and replaces the existing isolator cards in the rack.
- One card manages up to four phases and 16 push buttons



FEEDBACK	
Visual	LED Super bright Red
Audible	Dee 2300 Hz – Dah 2000 Hz
Latching Mode	LED with PBI-L
Tactile	Optional tactile arrow
ELECTRICAL SPECS	
Operating Voltage DC	18 – 24 VDC
Operating Voltage AC	12 – 17 VAC
On Resistance	< 150 ohms
Operating Mode	Normally Open
Closure Dwell	150 ms
Maximum Terminal Voltage During Closure	1.5 V
Switch	Piezo electric, solid state switch
ENVIRONMENTAL SPECS	
Operating Temp.	-40 C to 85 C
Operating Life	300 x 10 ⁶
ADA SPECS	
Operating Force	< 3 lbf
Actuator size	2 inches
MATERIALS	
Bezel	Aluminum
Actuator	Stainless Steel
Hardware	Stainless Steel
Finish	Powder Coat
FORM FACTOR	
Round	3" OD / 4 hole, 2 hole (9-3, 10-2)
Rectangular	2.8" x 4.5" – 4 hole, 2 hole
Oval	6.8" x 3.4" – 2 hole
Color	Black, Green, Yellow, Natural



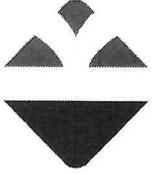
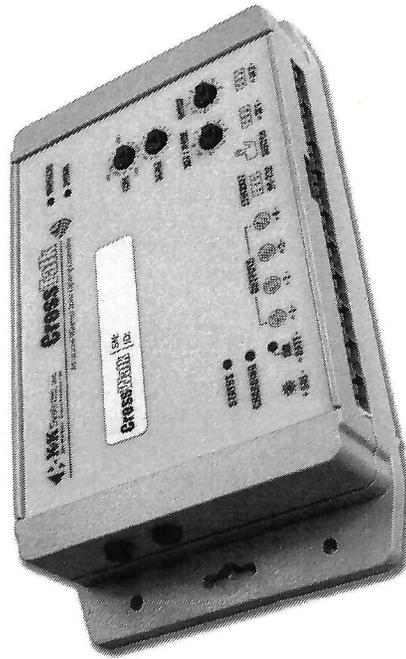


INTRODUCTION

WHAT IS THE CROSSTALK CROSSWALK

The CrossTalk CrossWalk is an Advanced, Solar-Powered Lighting Controller. Designed for multiple applications, CrossTalk CrossWalk controller is used for a variety of traffic & safety applications including school zone safety systems, crosswalk/pedestrian systems, speed/radar systems and more. Utilizing solar power and short-range wireless connectivity, CrossTalk CrossWalk applications can be setup quickly and provide more functionality and flexibility than traditional "wired" systems.

The CrossTalk CrossWalk device is a rugged, integrated unit which provides a built-in solar controller with Maximum Power-Point Tracking (MPPT), battery management with low-voltage disconnect (LVD), short-range wireless (900MHz), multi-function programmable lighting control, support for up to (4) beacons, auto-dimming, and a scheduler all-in-one compact enclosure.



FUNCTIONS

NET/MODE

Each crosswalk unit comes preprogrammed with 15 different light modes. These modes are used for a variety of different applications and K&K products. You unit will come preset for its intended use.

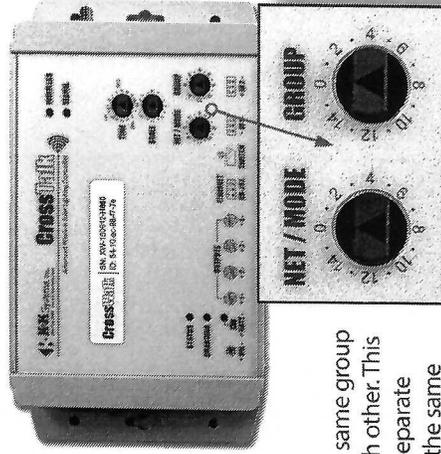
GROUPING

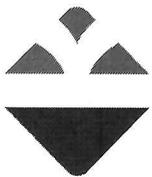
A single CrossTalk Crosswalk controller can monitor and control up to 15 additional CrossTalk units (for a total of 16 units in a "group"). Each CrossTalk unit has a GROUP switch (0-15) which allows CrossTalk units to be "grouped" together. All devices with same group number can communicate with each other. This grouping function allows multiple, separate CrossTalk applications to operate in the same general location (e.g. multiple cross-walks or schools on the same street) yet provide independent control of each CrossTalk "group". In most school lighting applications, for example, there is a designated "primary" CrossTalk unit (the unit typically equipped with a cellular modem) and one or more "secondary" CrossTalk units.

Set the GROUP switch to the same setting for all units being used in the same location or system.

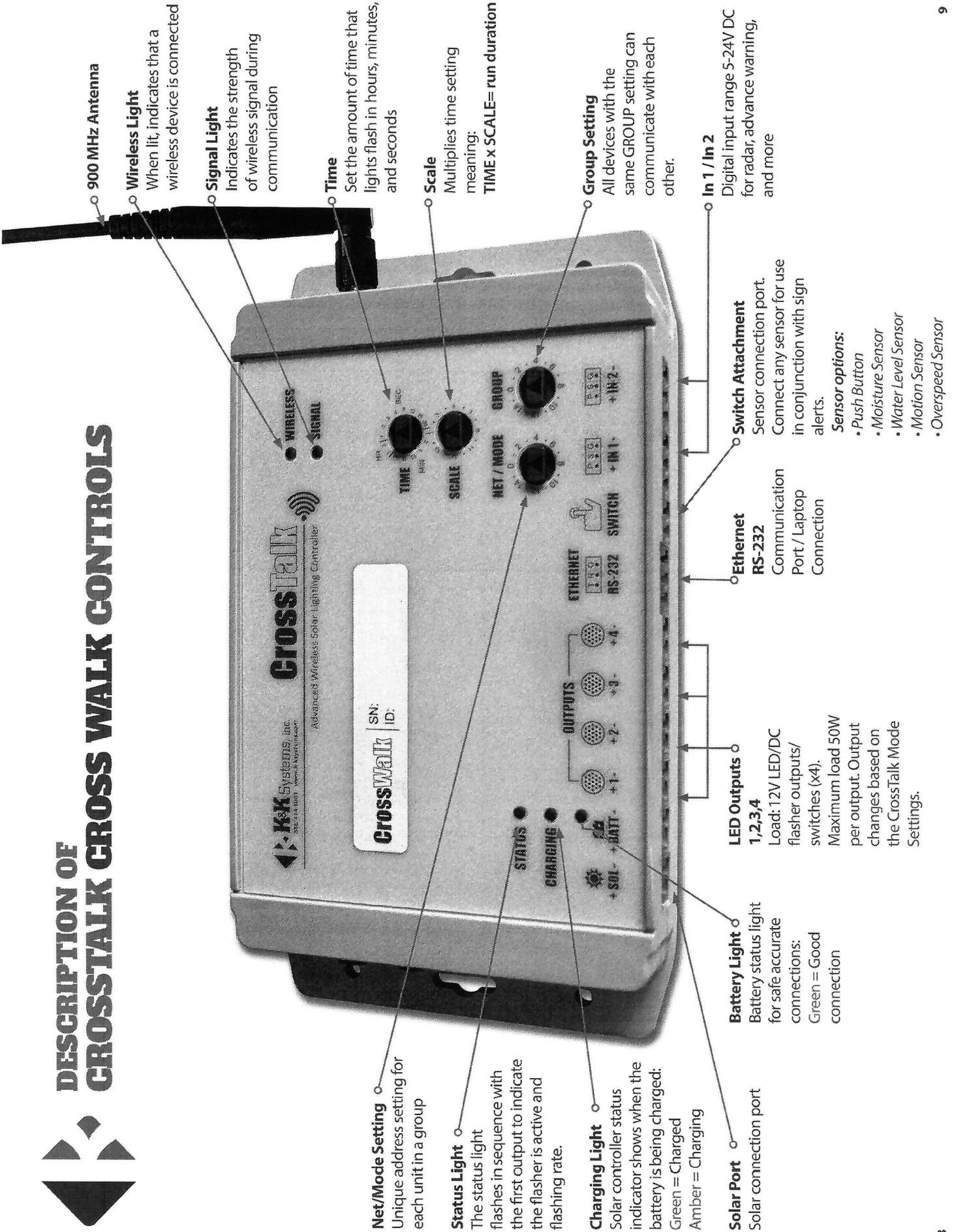
TIMER

CrossTalk Crosswalk units have a built in timer, that is manually adjustable. This timer controls how long the lights flash based on a the mode. This timer is not applicable to modes that are preset to a 24/7 flash pattern. To set the timer, first set your top dial. The top dial is your base time. It ranges from 1 second, up to 1 hour. Next, set your Scale dial. The scale is a multiplier for the Time dial. It multiplies the time by the factor on the dial. For example, if your top dial is set to 15 sec, your Scale dial to 3, your final run time is 45 sec. This is to give the customer a range of times to use for their specific application.





DESCRIPTION OF CROSS TALK CROSS WALK CONTROLS



Net/Mode Setting Unique address setting for each unit in a group

Status Light The status light flashes in sequence with the first output to indicate the flasher is active and flashing rate.

Charging Light Solar controller status indicator shows when the battery is being charged:
Green = Charged
Amber = Charging

Solar Port Solar connection port

Battery Light Battery status light for safe accurate connections:
Green = Good connection

LED Outputs 1,2,3,4 Load: 12V LED/DC flasher outputs/switches (x4).
Maximum load 50W per output. Output changes based on the CrossTalk Mode Settings.

Ethernet RS-232 Communication Port / Laptop Connection

Switch Attachment Sensor connection port. Connect any sensor for use in conjunction with sign alerts.
Sensor options:
• Push Button
• Moisture Sensor
• Water Level Sensor
• Motion Sensor
• Overspeed Sensor

900 MHz Antenna
Wireless Light When lit, indicates that a wireless device is connected

Signal Light Indicates the strength of wireless signal during communication

Time Set the amount of time that lights flash in hours, minutes, and seconds

Scale Multiplies time setting meaning:
TIME x SCALE = run duration

Group Setting All devices with the same GROUP setting can communicate with each other.

In 1 / In 2 Digital input range 5-24V DC for radar, advance warning, and more

K & K SYSTEMS, INC.

687 Palmetto Road, Tupelo, MS 38801
662-566-2025 Phone 662-566-7123 Fax 1-888-414-3003 Toll Free
www.k-systems.com info@k-systems.com

MANUFACTURER'S 5 YEAR WARRANTY

1. The manufacturer warrants that all products manufactured by K & K Systems, Inc. will be free from defects in material and workmanship for a period of five (5) years from date of shipment, subject to the conditions and restrictions contained herein.
2. This warranty does not apply to a product that has not been installed or maintained in accordance with the manufacturer's instructions, has been subjected to damage in an accident, abused or neglected during operation, repaired or modified by persons other than manufacturer, its employees or authorized agents, or failed to have normal maintenance.
3. The buyer expressly agrees that the buyer's sole remedy and the manufacturer's sole responsibility, in respect to a warranty claim, is exclusively limited to repair or replacement at the manufacturer's option, of product or a portion thereof found by the manufacturer to be defective. The manufacturer is not responsible for labor or other expended charges by buyer including transportation charges, and shall not be liable for any incidental or consequential damages connected with repair of a product deemed to be defective or with installation or replacement of repaired product. Further, the manufacturer disclaims any liability for any incidental or consequential damages, including lost or duplicated time or expense accruing for any reason, to the owner or user of any products sold by the manufacturer, whether claim is made in contract or in tort or under any theory of warranty, negligence or otherwise.
4. The manufacturer reserves the right to make changes in its products from time to time, without incurring any obligation to incorporate such improvements in any products previously sold or in service.
5. The terms and conditions of the warranty cannot be altered without the written consent of the manufacturer.
6. The foregoing warranty is exclusive and in lieu of all other express, statutory and implied warranties **INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.** There are no warranties which extend beyond the language in the previous six (6) paragraphs.

If you have any further questions, please feel free to call us at our toll-free number of 888-414-3003, email info@k-systems.com or look us up on the Internet at www.k-systems.com.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

01/27/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER STATE FARM INSURANCE GLENN SUMMERS, AGENT 310 HWY 145 N ABERDEEN MS 39730	CONTACT NAME: LYNSEY CANTRELL PHONE (A/C No. Ext): 662-369-0337 E-MAIL ADDRESS: LYNSEY.CANTRELL.UVGY@STATEFARM.COM	FAX (A/C No.): 662-369-7638
	INSURER(S) AFFORDING COVERAGE	
INSURED K & K SYSTEMS 687 PALMETTO ROAD TUPELO MS 38801	INSURER A: STATE FARM INSURANCE	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y		290 1853 18' DODGE 3500	10/05/2020	04/05/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N	N/A			<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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