



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000140248 One Time Purchase of Spare Signal Cabinets for Jefferson
ParishTraffic Engineering.**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com
03-Nov-2022 01:52:09 PM



Bid Number 50-00140248

**One Time Purchase of Spare Signal Cabinets for Jefferson Parish
Traffic Engineering**

BID DUE: November 17, 2022 AT 2:00 PM

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. Late bids will not be accepted.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Donna Reamey
Email: Dreamey@jeffparish.net
Phone: 504-364-2684**

Department of Engineering

Traffic Engineering Division

One-time purchase of Signal Modular Cabinets

Specifications:

Plug-N-Go Modular Cabinet NEMA TS1/TS2

Plug-N-Go cabinet utilizes a modular assembly and plug-in cabling to allow the replacement of all major components with virtually no rewiring.

Plug-N-Go cabinet introduces a feature called the "Power Bus". This centralizes all of the cabinet power terminations using highly reliable plug-in connectors for major cabinet components. This provides six universal power connectors along with two terminal strips to allow for future expansion.

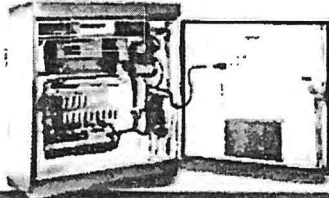
Features:

- Enhanced power distribution
- Field-replaceable modular components
- TS2 Type-1 main panel size reduced
- Simplifies troubleshooting and diagnostics
- Interface cables with connectors simplifies point-to-point wiring
- Available with NEMA TS2 Type-1 and Type-2 terminals and facilities
- Available with NEMA TS1 16-position horizontal loadbay

Bus Interface Unit (BIU)

Required in all TS2 Type-1 and Type-2 cabinets

- Interfaces detectors, load switches, and 24V signals to TS2 Port-1 SDLC bus
- Used in all TS2 Type-1 cabinets for Terminal and Facilities plus Detector Racks
- Used in TS2 Type-2 for Detector Racks
- Fully hot-swappable
- Separate power, transmit, and valid data LED indicators display DC power and port status



Plug-N-Go™ Modular Cabinet NEMA TS1/TS2 Modular Cabinet

Description

Plug-N-Go cabinet assembly provides simplified integration between the major components of our TS1/TS2 cabinet allowing for ease of assembly, installation, and troubleshooting. This next-generation cabinet utilizes a modular assembly and plug-in cabling to allow the replacement of all major components with virtually no rewiring. Service technicians can now perform field diagnostics by troubleshooting specific modules. The Plug-N-Go assemblies are available in both TS2 Type-1 & Type-2 and TS1 configurations.

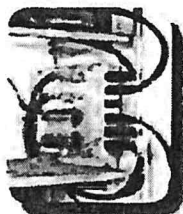
The Plug-N-Go cabinet introduces a unique feature called the "Power Bus." This assembly centralizes all of the cabinet power terminations using highly reliable plug-in connectors for major cabinet components. The Power Bus provides six universal power connectors along with two terminal strips to allow for future expansion.

The main power panel has been optimized to allow for the most popular types of cabinet surge protection. There is sufficient room to install up to four circuit breakers, two fuses or switches, a Ground Fault Circuit Interrupter (GFCI) outlet, and other standard power components. The TS1 version comes standard with a 12 VAC transformer for the PED isolation circuits.

The police/auxiliary panel assembly is mounted on the door in a manner that allows for removal of the complete assembly while the cabinet is in operation. Switches mounted on the auxiliary panel consist of "Equipment Power," "Technician Flash," and "Stop Time." Provided in the police panel are "Police Flash" and "Signal Power." The main panel interface cable is pre-wired to provide additional custom functions for ease of expansion.

Features

- Enhanced power distribution
- Field-replaceable modular components
- TS2 Type-1 main panel size reduced
- Increased reliability
- Reduces maintenance time
- Simplifies troubleshooting and diagnostics
- Improved safety
- Modular component design
- Interface cables with connectors simplifies point-to-point wiring
- Available with NEMA TS2 Type-1 and Type-2 terminals and facilities
- Available with NEMA TS1 16-position horizontal loadbay



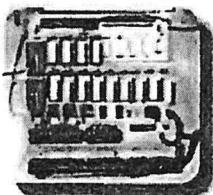
Power Bus Assembly

Modular Component Design

- The design features of the modular components allow for the standardization of cabinet wiring interconnection.

Enhanced Power Distribution

- The Power Bus assembly reduces the chance of wiring errors and problems associated with electrical connections. All cabinet equipment that requires filtered power to operate is connected to the Power Bus assembly with highly reliable Plug-N-Go connectors.



TS2 Type-1 12/16
Position Main Panel

Improved Safety

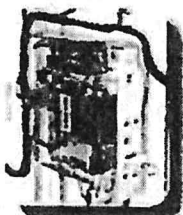
- Utilization of a 24-volt disconnect relay provides additional isolation during flash conditions.

Field Replaceable Modular Components

- The modular cabinet components are easily removed or replaced with the use of simple hand tools.

TS2 Type-1 Main Panel Size Reduced

- Reducing the size of the TS2 Type-1 main panel eliminates the need for removal of any equipment when lowering the panel.



Power Panel

Interface Cables with Connectors Simplifies Point-to-Point Wiring

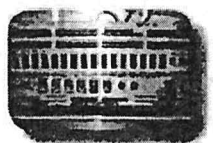
- Utilizing connectors in lieu of point-to-point manual wiring provides greater flexibility for installation and wiring changes.

Increased Reliability

- Connectors utilized in all modular cabinet assemblies have been field-tested in both military and medical applications.

Reduces Maintenance Time

- Easily replaceable modular components allow the service technicians to restore the system with minimum downtime.



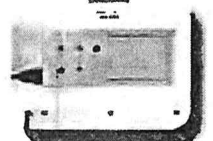
TS1 Horizontal
16-Position Main Panel

Simplifies Troubleshooting & Diagnostics

- Common cabinet modules provide easy isolation and eliminate the need for extensive troubleshooting and diagnostics.

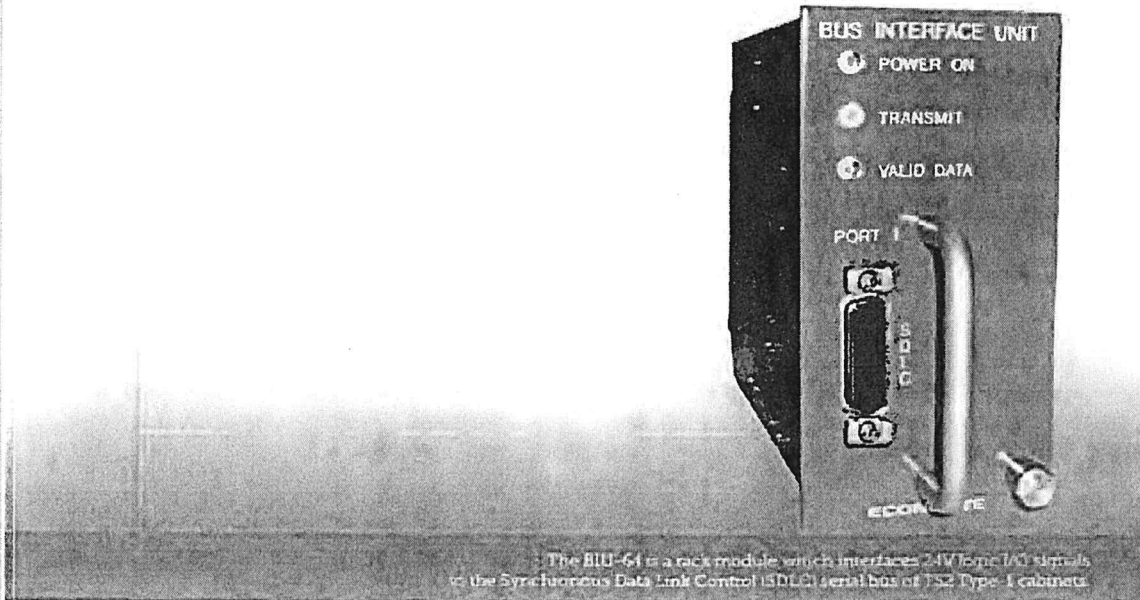
Available with NEMA TS2 Type-1 and Type-2 Terminals & Facilities

- All modular cabinet components are designed to be used with both TS2 Type-1 and Type-2 main panels.
- Also available with NEMA TS1 is a 16-position horizontal loadbay.



Police Auxiliary Panel

Bus Interface Unit (BIU)



About BIU

It is required in all TS2 Type-1 cabinets and in TS2 Type-2 cabinets when controller I/O interface is through the SDLC bus, not via TS1 MS-A, B, and C connectors.

Physically, the BIU-64 consists of a circuit board and a front panel. A male 64-pin DIN 41612 type-B series connector provides the connection to the backplane of the rack. A female 15-pin metal shell D subminiature connector with latching blocks provides the connection to the SDLC cable. The front panel provides separate indicator lights for Power, Transmit, and Valid Data. It also provides a handle for easy removal of the unit from the rack. A separate TS2 cabinet power supply provides the required 24 VDC power plus a 60 Hz line-timing reference.

At A Glance

- ▶ Exceeds BIU requirements of NEMA TS2-2002
- ▶ Interfaces detectors, load switches, and 24V signals to TS2 Port-1 SDLC bus
- ▶ Used in all TS2 Type-1 cabinets for Terminal and Facilities plus Detector Racks
- ▶ Used in TS2 Type-2 for Detector Racks
- ▶ Fully hot-swappable
- ▶ Separate Power, Transmit, and Valid Data LED indicators display DC power and port status

BIU Datasheet

Econologic Traffic Cabinets



Hardware

The BIU measures 2.34 in. W x 4.50 in. H x 6.60 in. D. Low-profile components are used in order to facilitate an optional half-width front plate unit which measures 1.17 in. x 4.5 in. x 6.60 in. The BIU will slide freely into two rack card-guides having a nominal slot width of 0.075 in. and a maximum slot width of 0.125 in.

An aluminum handle is provided on the front panel to allow easy removal of the BIU from the rack. Nominal outer dimensions of the handle shall be 1 in. x 2½ in.

The card rack connector on back of the BIU is a male 64-pin DIN 41612 type-B series. The connector is centered at the edge of the circuit board and oriented with Pin 1 located on top. The circuit board edges align with the connector per DIN 41612.

The Port-1 SDLC bus connector on the front panel of the BIU is a 15-pin metal shell subminiature type with female gold plated contacts. The connector is equipped with latching blocks and mates with a male 15-pin D-type cable connector that is equipped with spring latches (Amp part number 745012-1 or equivalent).

The front panel made of 0.090 in. sheet aluminum and is finished with a durable protective coating. Two indicator lamps are provided on the front panel, as specified by the TS2 Standard, for Power and Transmit. In addition, the front panel provides a Valid Data indicator, which lights whenever a Valid Data frame is received. The Power light flashes during absence of Line Frequency Reference (LFR) from the cabinet power supply. The BIU operates with internally generated 60 Hz reference in the absence of the LFR signal.

Pin Assignments

► Port-1 (SDLC bus) pin assignments shall be as specified in Section 8.6.2.1 of the TS2 Standard:

- 1 - Rx Data
- 2 - Logic Ground
- 3 - Rx Clock +
- 4 - Logic Ground
- 5 - Tx Data
- 6 - Logic Ground
- 7 - Tx Clock +
- 8 - Logic Ground
- 9 - Rx Data -
- 10 - Not Used
- 11 - Rx Clock -
- 12 - Earth Ground
- 13 - Tx Data -
- 14 - Reserved
- 15 - Tx Clock -

DATE: 11/02/2022

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00140248

JEFFERSON PARISH

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

BUYER: DREAMEY@jeffparish.net

BIDS WILL BE RECEIVED ONLINE VIA WWW.JEFFPARISHBIDS.NET UNTIL 2:00 PM, 11/17/2022 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

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. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

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.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

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.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

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 alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

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. Please note that all official communication will be expressed in the form of an addendum.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

All formal Addenda require written acknowledgement on the bid form by the bidder. 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.

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. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: 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. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

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.)

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

B. 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.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part 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 any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: 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.

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

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 A17.1-1961).

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

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>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy 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 <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

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

13,15

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.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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.
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 a requirements contract to be provided on an as needed basis. 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.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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.

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 JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO ✓MAXIMUM ESCALATION PERCENTAGE REQUESTED n/a %INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF n/a.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

16-20 weeks

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

n/a**THIS SECTION MUST BE COMPLETED BY BIDDER:**FIRM NAME: Blackstar Diversified EnterprisesADDRESS: 11131 Winchester Park DriveCITY, STATE: New Orleans, LAZIP: 70128TELEPHONE: (504) 265-9919FAX: (504) 265-9919EMAIL ADDRESS: chad@blackstardiversified.net

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: n/a

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 60,000.00

AUTHORIZED

SIGNATURE: Chad RisherChad Risher

Printed Name

TITLE: Vice President of Sales

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00140248

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	5.00	EA	<p>ONE TIME PURCHASE OF SPARE SIGNAL CABINETS FOR JEFFERSON PARISH TRAFFIC ENGINEERING.</p> <p>0010 SPARE SIGNAL CABINETS</p>	\$ 11,500.00	\$ 57,500.00
2	5.00	EA	<p>TS2-1 PNG P44 DDE BM 16 HORIZONTAL JEFFERSON PARISH, LA IN/OUT - BARE, INCLUDING PLUG-INS</p> <p>PART # CAB18028</p> <p>SEE ATTACHED SPECS</p> <p>0020 TARIFF FEE</p> <p>Proposed Alternate :</p> <p>O riux Nema P44 TS2 Cabinet Specs attached</p>	\$ 500.00	\$ 2,500.00

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Blackstar Diversified Enterprises

INCORPORATED.

AT THE MEETING OF DIRECTORS OF Blackstar Diversified Enterprises

INCORPORATED, DULY NOTICED AND HELD ON April 11th, 2022
_____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Chad Risher
_____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

Hugh Blackwell

SECRETARY-TREASURER

11/03/2022

DATE

Non-Public Works Bid Affidavit Instructions

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Ascension

BEFORE ME, the undersigned authority, personally came and appeared: _____

Chad Risher, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized representative of Blackstar Diversified Enterprises (Entity), the party who submitted a bid in response to Bid Number 5000140248, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ✓ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B ✓ There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Chad Risher

Signature of Affiant

Chad Risher

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

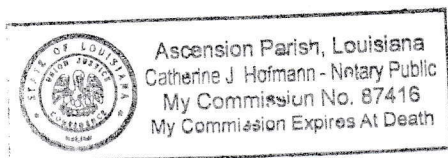
ON THE 4th DAY OF November 2022

Catherine J Hofmann
Notary Public

Catherine J Hofmann
Printed Name of Notary

87416
Notary/Bar Roll Number

My commission expires @ death.





BLACKSTAR
DIVERSIFIED ENTERPRISES, LLC

Blackstar Diversified Enterprises, LLC

CR1703 - 5000140248

Signal Modular Cabinets for the Jefferson Parish

Submittal Package



BLACKSTAR
DIVERSIFIED ENTERPRISES, LLC

Blackstar Diversified Enterprises, LLC

Included in Oriux TS2-1 Cabinet

- Nema P44 cabinet enclosure, natural aluminum w/back door
- Laptop drawer
- Power panel
- Police panel
- Tech panel
- Coordination panel
- 4ch Preemption panel
- Ped isolation panel
- 16ch detector panel
- Detector test switch
- SDLC panel
- 16 pos TS2-1 back panel
- 16ch Detector rack
- BIU: 3 (2 T&F and 1 detector) - see attached spec sheet
- Load switches: 16
- Flash Transfer Relays: 6
- Flasher: 1
- Nema TS2 Power Supply: 1 - see attached spec sheet

NEMA Cabinets

Oriux has a full line of standard NEMA cabinets available.

With interior customizable design to fit your traffic configuration needs. Our enclosures provide a protective, safe environment against rain, sleet, snow, dripping water, corrosion, hose down, splashed water, oil, coolant. These cabinets are designed to offer unparalleled protection no matter the conditions. It can fit power panels, field service terminal blocks, police panel switches, a variety of NEMA controllers and master controllers, conflict monitors, modems, load switches, flashers, transfer relays, detector racks, power supplies, video detection equipment, surge protection equipment, and power backup systems. Basically, tell us what you need, and we will tailor the cabinet to fit your requirements. This is what Oriux has been doing for decades.

Features & Benefits

- 1/8" thick aluminum type 5052-H32, providing a strong and rigid construction.
- UL approved enclosures (when required).
- Four "C" mounting channels on the side and rear walls, allowing versatile positioning of shelves and panels.
- Completely double flanged door frame.
- Provision for mounting forced air fan system, with a screened air exhaust opening under the roof overhang
- Stainless steel external hardware.
- Internal hardware is either stainless steel or cadmium plated, type II, Class I or equal.
- Main door has stainless steel piano hinge, secured with stainless steel carriage bolts with nylock nuts.
- Main door lock is Corbin #1548-1 or equal.
- Doors sealed with closed cell neoprene gaskets.
- Fluorescent or incandescent light fixture.
- Ground fault interrupt 115 VAC receptacle.
- Thermostat and fan assembly.
- Up to 16 position, swing down aluminum load bay with silk screened labeling on front and rear of panel.
- Heavy duty terminal blocks.
- Engineered precisely to agency specification.



Enclosure Type	Dimensions			Door Opening		Pad Mounting Pattern	
	H	W	D	H	W	W	D
M	50"	30"	16 1/2"	39 7/8"	27 3/4"	26 1/2"	13"
M36	50"	36"	16 1/2"	39 7/8"	33 1/4"	32 1/2"	13"
MSX	60"	30"	16 1/2"	49 7/8"	27 3/4"	26 1/2"	13"
MSX36	60"	36"	16 1/2"	49 7/8"	33 1/4"	32 1/2"	13"
P40	59"	40"	26"	49"	37 3/4"	30"	18"
P44	59"	44"	26"	49"	41 3/4"	40 5/8"	18 1/2"
R40	75 1/2"	40"	26"	65 1/2"	37 3/4"	30"	18"
R44	75 1/2"	44"	26"	65 1/2"	41 3/4"	40 4/8"	18.5"

Note: Other sizes available upon request

Options

- Material options: 14 gauge stainless steel, 5052 alloy aluminum
- Shelving options
- Panels
- Optional Rack frame assembly
- Caltrans style stainless steel butt door hinges
- Finish options: stainless, powder coating in a variety of colors, anti-graffiti finishes, or mill finish
- Variety of lock and keying options to the output file.



Equipment Options

You can select the equipment that will be used to populate your cabinet, if you choose to have us do so, with these types of equipment:

- Lights, fans, thermostats, air filters, & door switches
- Controllers and master controllers
- Conflict monitors
- Detectors and detector racks
- Load bays
- Police
- Power panels
- Maintenance panels
- Load switches, flashers, transfer relays
- Power backup systems

NEMA TS-2 Cabinet Power Supply

The Oriux NEMA TS-2 Cabinet Power Supply is a shelf mounted unit that provides all regulated DC and AC voltages for all Bus Interface Units (BIU), load switches, and detectors for a TS-2 Type 1 cabinet assembly. Other auxiliary equipment, requiring the same voltages, that may be present within the terminal facilities can also be operated from the cabinet power supply.

The power supply is a requirement of the TS-2 standard for all Type 1 cabinets. Its primary function is to provide the 12 VDC, 24 VDC, 12 VAC outputs and line frequency reference within the TS2 cabinets.

The construction and design of the unit facilitates ease of access to all major components. The chassis is constructed of anodized aluminum that is finished with an attractive and durable red coating.

The flexibility of the Oriux cabinet power supply allows for cabinet expansion, enhances reliability and provides a superior power supply interface with Oriux or other manufacturers' TS-2 cabinets.



Features & Benefits

- TS-2 cabinet power supply
- Regulated 12 VDC and 24 VDC voltages rated at 2.0 Amps
- 12 VAC voltage with 0.25 Amp current capability
- 60 Hz line frequency reference output
- Each voltage output fused and has own LED indicator
- Front panel test points
- Shelf mounted for modularity and interchangeability
- Compliant with NEMA TS-2-2016

Specifications

ELECTRICAL OUTPUTS: Four outputs listed below meet the electrical requirements as referenced in Section 5.3.5.3 of the NEMA TS-2-2016 Standard.

- 12 VDC rated at 2 Amps
- 24 VDC rated at 2 Amps
- 12 VAC rated at 250 Amps
- 60 Hz Timing Reference

POWER SUPPLY INPUTS AND OUTPUTS:

The power supply connector located on the front panel has a metallic shell which is connected to the chassis ground and mates with an MS3106-18-1SW cable connector or equivalent.

PIN ASSIGNMENTS:

Pin	Function
A	AC Neutral
B	Line Frequency Reference
C	AC Line
D	+12 VDC
E	+24 VDC
F	Reserved
G	Logic Ground
H	Earth Ground
I	12 VAC
J	Reserved

Over current protection is provided on the front panel for the AC line power and all output voltages along with LED indicators to indicate the presence of voltage.

Test Points	Test points are provided for all output voltages
Dimensions	5.125"H × 6.7"W × 7.8"D (130mm × 170mm × 196mm)
Temperature	-40°F to +176°F (-40°C to +80°C)
Range Weight	2.5 pounds (1 . 1 3 kg)
Power	89 to 135 VAC, (standard) or 180 to 265 VAC (220 variant)

Ordering Information

Description	Catalog Information
Cabinet Power Supply 110V	82-1894-01 110V
Cabinet Power Supply 220V	82-1894-02 220V

BIU (Bus Interface Unit)

The Oriux TS2 NEMA Bus Interface Unit (BIU) is a rack mounted modular-by-function unit that allows easy adaptation to many applications. Its primary function is to interface the 24 VDC logic based inputs and outputs (I/O) to the Synchronous Data Link Control (SDLC) serial bus within the TS2 cabinets. The Controller Unit functionality in a Type 1, and some Type 2 configurations, is interfaced to the TS2 cabinet through the BIU(s). This functionality includes controlling all load switch outputs, detector inputs and resets, and functions previously accessed via TS1- A,B,C connectors and/or additional I/O (MSD).

The BIU is in full compliance with NEMA TS2 Standards for the interface, power, environmental, electrical and physical hardware requirements. The BIU is powered by a separate 24 VDC power supply external to the Controller Unit. The front panel contains a handle for easy removal and insertion of the unit power on and transmit status indicators, a 15 pin female Port 1 connector and an optional RS232 connector.

The BIU interfaces to the Port 1 facilities termination panel through a 15 pin metal shell D sub miniature type connector that is equipped with latching blocks. Connection to the Terminal and Facilities (TF) back panel or card rack is provided by a 64 pin DIN 41612 type B series connector.

The TS2 Controller Unit communicates through the BIUs based on the digital addressing of each BIU. Each BIU shall be capable of having their logical position and subsequent cabinet functions, assignable through specific address select inputs. This cabinet function flexibility allows for cabinet expansion, enhances reliability and provides a standard interface with Oriux or other manufacturers TS2 cabinets.



Specifications

Dimensions	4.5" H x 2.34" W x 6.5" D (114.3 mm H x 59.44 mm W x 165.1 mm D)
Weight	0.525 lb. (0.283 kg)
Power	18 to 30 VDC,
Requirements	200 mA
Environment	-30°F to +165°F (-34°C to +74°C)

Features & Benefits

- Full compliance with NEMA TS2-2003
- Port 1 RS-485 SDLC interface
- Facilitates high speed data exchange between controller, cabinet, detector racks and malfunction management unit
- Performs conversion for 24VDC I/O logic signals to serial bus
- Rack mounted for modularity and Interchangeability
- BIU address programmable via Terminal and Facilities

The Port 1 15 Pin D Connector meets the requirements for the physical layer and the protocol for the full duplex SDLC serial data bus and is in full compliance with Sections 3.3.1 and 8.6.2 of the NEMA TS2 -2003 Standard. The BIU card rack connector is a 64 pin DIN 41612 type B series connector with pin assignments as specified in Section 8.6.3.1 of the NEMA TS2 Standard.

Address select inputs shall define the logical position of each BIU. The BIU positions 1-8 are designated for Terminals and Facilities (TF) and BIU positions 9 -16 are designated for Detector Racks. Currently up to 16 detector channels are assignable per BIU allowing up to a maximum of 64 detector channels. BIU positions 5-8 and 13-16 are reserved for future expansion requirements for TS2 or reserved for manufacturer specific functions.

Ordering Information

Description	Model Number
Oriux Bus Interface Unit	82-1886-01

