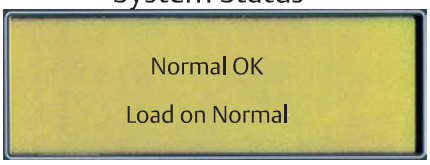
ASCO® 7000 Series Power Control Center Screens

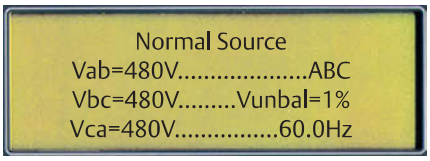
Status

System Status



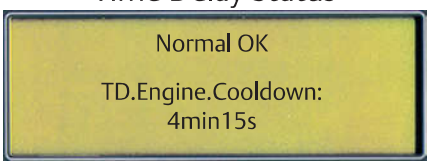
Displays system status in clear, concise language. Message shown indicates normal source is acceptable and the load is connected to the normal source.

Source Status



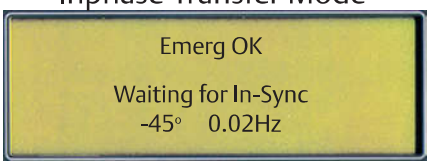
Displays voltage for each phase, frequency, phase rotation and voltage unbalance for both normal and emergency sources.

Time Delay Status



Active time delay status displays time remaining until next control event.

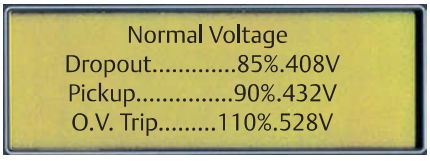
Inphase Transfer Mode



Displays the relative phase angle between sources and frequency differential to indicate the controller is awaiting an inphase condition.

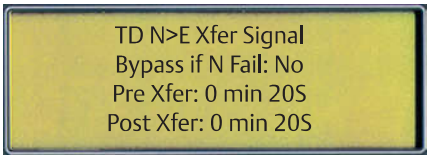
Settings

Voltage and Frequency Settings



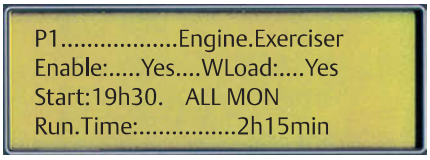
Provides voltage and frequency setting values for normal and emergency sources. Voltage pick-up, dropout and trip settings are set in percentage of nominal voltage and are also displayed in rms voltage values.

Time Delay Settings



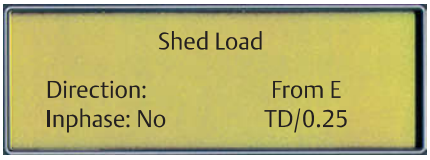
Provides direct reading display for setting time delays.

Engine Exerciser



Seven independent programs, load/no load selection, flexible run times and daily, weekly, bi-weekly and monthly exercise routines.

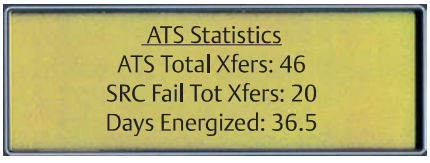
Feature Settings



Standard features can be activated with the keypad. As an example, when enabled, the "shed load" option causes the transfer switch to transfer the load off of the specified source. If desired, the load shed transfer can be made inphase.

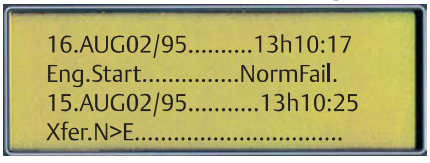
Data Logging

ATS Statistics



Instant availability of statistical information on total number of ATS transfers, number of transfers caused by power failures and total days controller has been energized, plus more.

Historical Event Log



Displays detailed information for last 99 events, including time of occurrence, length of event, date and reason for event.

ASCO Power Technologies®

We Keep Your Power On

EMERSON Network Power

May 18, 2016

ASCO POWER TECHNOLOGIES L.P, CHICAGO SALES OFFICE 603 E. DIEHL ROAD, SUITE 139, NAPERVILLE, IL 60563 FAX# 630-505-4055

Automatic Transfer Switch Bill of Material

Webster University

Designation	Amps	Poles	Neutral	Voltage	Service Entrance	Bypass	Transition	Catalog Number	Accessories Included
ATS-LS	230	4	Switched	480	No	Yes	Delayed	J7ADTBB30230N5XC	18B,18G,31Z,72EE2
ATS-SB	400	4	Switched	480	No	Yes	Delayed	J7ADTBB30400N5XC	18B,18G,31Z,67JB,72EE2

ACCESSORIES DESCRIPTION

Accessory Code	Description
18B/18G	2pole D/T contacts that operate when emergency and normal source voltage is present at transfer switch terminals
31Z	Selective Load disconnect circuit to provide a pre-transfer and/or post transfer signal when transferring from emergency to normal and/or normal to emergency. The signal can be programmed to occur during all transfers or only when the transfer is occurring between two live sources. The length of the pre and post transfer delays can be set to 0-5 minutes 59 seconds.
67JB	Side pullbox for J Bypass Switch 150A-600A
72EE2	5170 Quad-Ethernet Module provides transfer switch dashboard screen with password protected control capabilities, email alerts and open protocol support in a single module with an integrated 4 port Ethernet switch.

ATS-LS
Detailed Information

AMPS : 0400			
Product Description	: 7000 Series, ~~Delayed~~ Open Transition, Not Service Entrance Rated	Catalog Number	: J7ADTBB30400N5XC
Service Voltage	: 277/480	Optional Accessories	: 18B/18G,31Z,67JB,72EE2
By-pass Isolation	: ~~Yes~~ NO See Addendum 2-2	Number of Poles	: 4, Switched [B] Neutral
Withstand Rating Frame = J, Switch Rating = 0400 , Series = 7000	: See WCR table above	Quantity of Cables & Lug Size	: (2) 1/0 – 250 MCM AL/CU or (1) #4 – 600 MCM AL/CU
Enclosure	1(C) Type 1 Enclosure	Service	: Three Phase, 4-wire

ACCESSORIES DESCRIPTION

Accessory Code	Description
18B/18G	2pole D/T contacts that operate when emergency and normal source voltage is present at transfer switch terminals
31Z	Selective Load disconnect circuit to provide a pre-transfer and/or post transfer signal when transferring from emergency to normal and/or normal to emergency. The signal can be programmed to occur during all transfers or only when the transfer is occurring between two live sources. The length of the pre and post transfer delays can be set to 0-5 minutes 59 seconds.
67JB	Side pullbox for J Bypass Switch 150A-600A
72EE2	5170 Quad-Ethernet Module provides transfer switch dashboard screen with password protected control capabilities, email alerts and open protocol support in a single module with an integrated 4 port Ethernet switch.

DRAWINGS FOR APPROVAL

Drawing Number	Description
802093	Composite Enclosure Outline and Mounting Diagram
806099-003	Three Phase Wiring Diagram

ASCO Power Technologies

EMERSON Network Power

ATS-SB
Detailed Information

AMPS : 0400			
Product Description	: 7000 Series, ~~Delayed~~ Open Transition, Not Service Entrance Rated	Catalog Number	: J7ADTBB30400N5XC
Service Voltage	: 277/480	Optional Accessories	: 18B/18G,31Z,67JB,72EE2
By-pass Isolation	: ~~Yes~~ NO See Addendum 2-2	Number of Poles	: 4, Switched [B] Neutral
Withstand Rating Frame = J, Switch Rating = 0400 , Series = 7000	: See WCR table above	Quantity of Cables & Lug Size	: (2) 1/0 – 250 MCM AL/CU or (1) #4 – 600 MCM AL/CU
Enclosure	1(C) Type 1 Enclosure	Service	: Three Phase, 4-wire

ACCESSORIES DESCRIPTION

Accessory Code	Description
18B/18G	2pole D/T contacts that operate when emergency and normal source voltage is present at transfer switch terminals
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DRAWINGS FOR APPROVAL

Drawing Number	Description
802093	Composite Enclosure Outline and Mounting Diagram
806099-003	Three Phase Wiring Diagram

WM TAO & ASSOCIATES
CONSULTING ENGINEERS

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: July 27, 2016

Attention: **stl-cac@cannondesign.com**

Contact Person / WTA Field Inspector: Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Bill Shaw

Project No. WT 14127.01

☐ UPS ☐ Courier ☒ **Email**

Copies	No.	Description
1 PDF	264000E02	(Submittal No. 264000-002)
		• ATS Distribution

Remarks:

c: **Kelvin Patel**
Kpatel@cannondesign.com

☐ Furnish as Submitted ☒ **Furnish as Noted**

☐ Rejected ☐ Revise & Resubmit

☐ Reviewed ☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

7955 Manchester Road, Suite 125 • St. Louis, Missouri 63143-2711 • Phone: 314-884-7600 • Fax: 314-884-7601

If enclosures are not as noted, please notify us at once.

Sara Trout (314) 884-7645

WTASHOP - Webster ISB - 26 4000-002

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 7/5/2016 11:41 AM
Subject: Webster ISB - 26 4000-002
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...
Attachments: 264000-002 ATS Distribution.pdf

Attached for review.

Melissa Pirtle
Construction Admin
CANNONDESIGN
1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8797 • M
cannondesign.com

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

264000-002
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

264000
SPECIFICATION SECTION / PARAGRAPH

Guarantee Electrical
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◉ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

7/5/16
DATE

To be completed by Reviewer

26 4000-002
CANNON DESIGN SUBMITTAL NUMBER

7/5/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0115

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 07/05/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: ATS Distribution

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		264000-002	1		07/05/2016	ATS Distribution	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

GUARANTEE
ELECTRICAL CONSTRUCTION

3415 Bent Avenue
St. Louis, MO 63116
Phone: (314) 772-5400
Fax: (314) 772-2526

Transmittal

To Paric Corporation

Date 7/1/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-006

We are sending you:

- X Attached
- ___ Under separate cover, the following:
- ___ Preliminary Drawings
- ___ Samples
- ___ Construction Drawings
- ___ Copy of Letter
- ___ Specifications
- ___ Other

Quantity	Drawing #	Date/Revision	Description
1			Submittal for ATS Distribution - Spec Section
			26 40 00

These are transmitted as checked:

- X For Your Review & Comment
- X For Approval
- ___ For Your File
- ___ As Requested
- ___ Approved As Noted
- ___ Returned For Corrections
- ___ Approved As Submitted
- ___

Copy: Transmittal Enclosure

___ ___
___ ___
___ ___

Rick Branstetter

Signed: Rick Branstetter, Project Manager