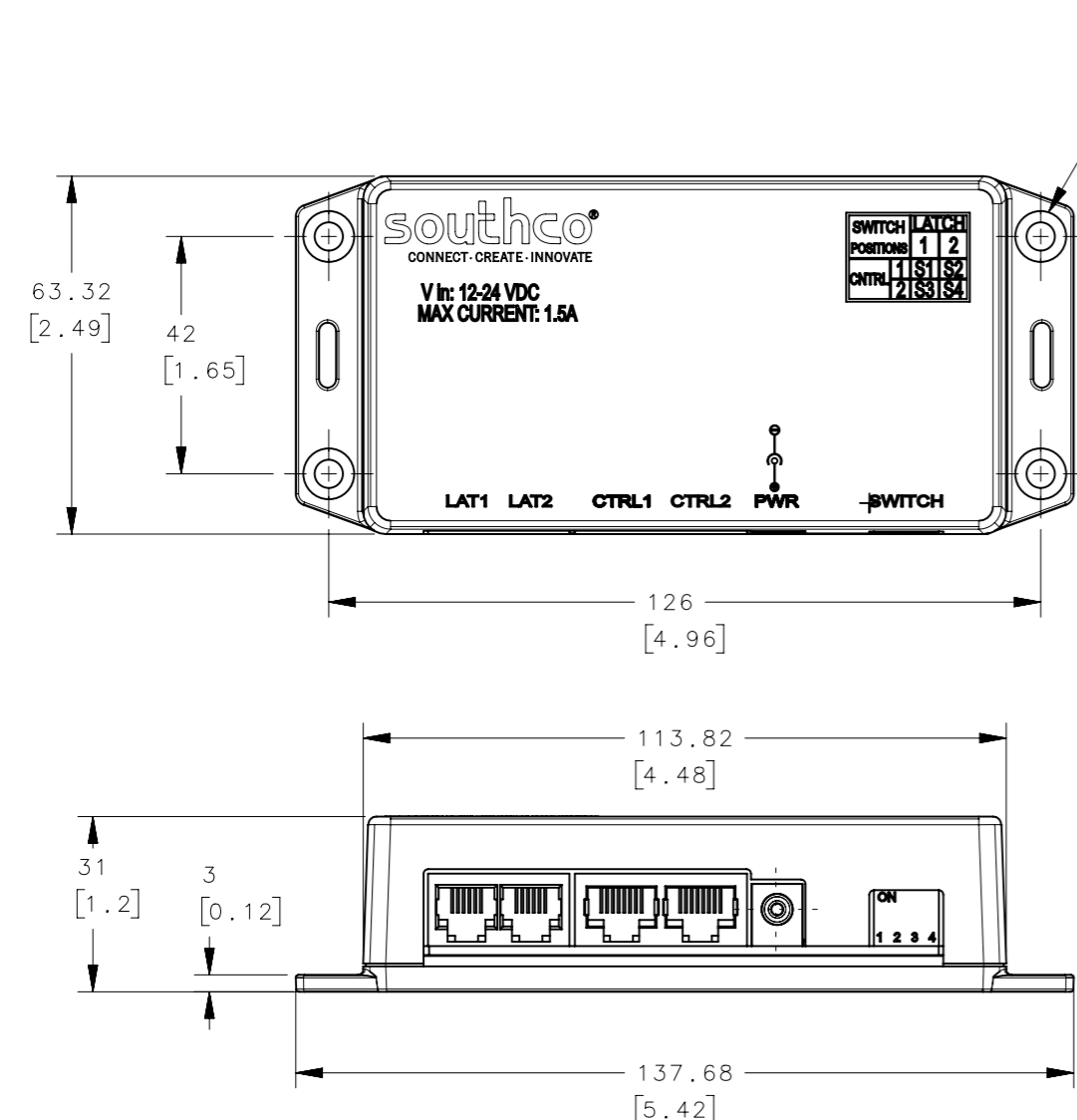


REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
C	16MAR2010	ZNP/ACH	PRN: P2010-0898

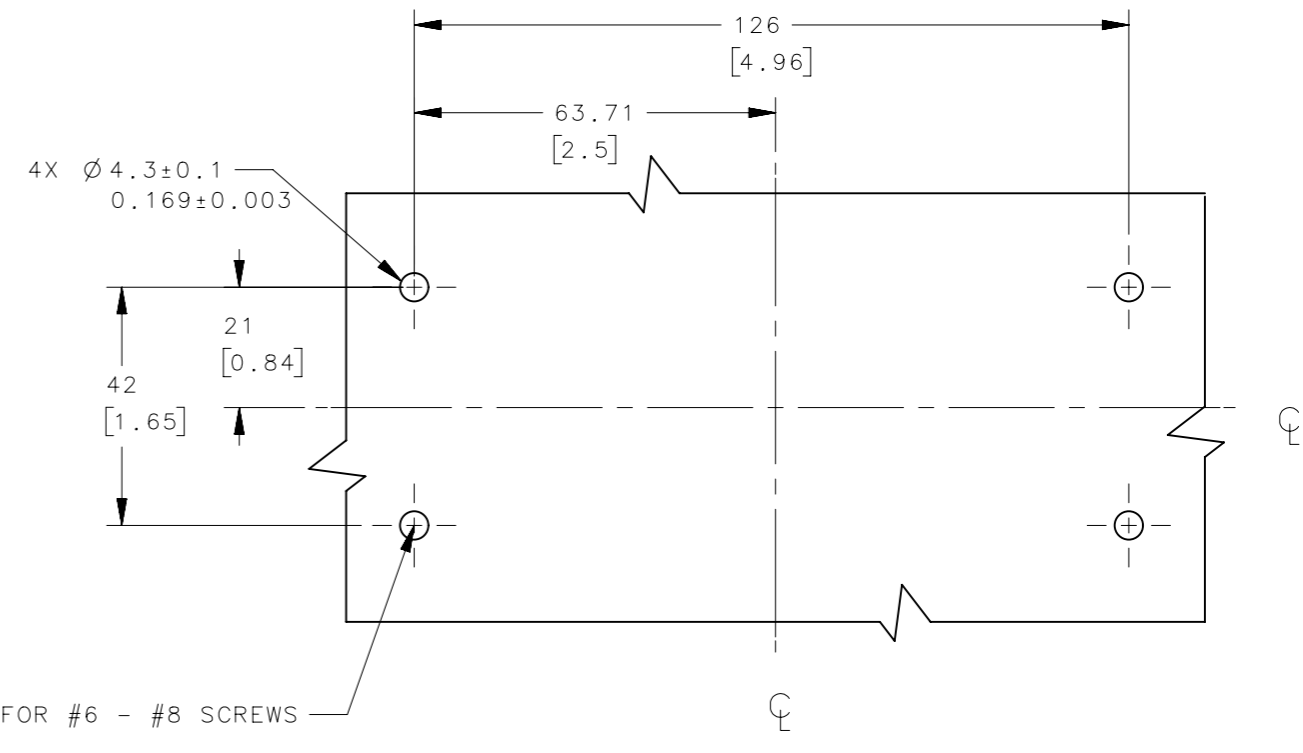


4X Ø5.0 ∇ THRU
[.196]
 \surd Ø9.0 X 90°
[0.35]

SYSTEM CONFIGURATION	SWITCH POSITIONS			
	S1	S2	S3	S4
LATCH 1 CONTROLLED BY CONTROLLER 1	ON			
LATCH 2 CONTROLLED BY CONTROLLER 1		ON		
LATCHES 1 AND 2 CONTROLLED BY CONTROLLER 1	ON	ON		
LATCH 1 CONTROLLED BY CONTROLLER 2			ON	
LATCH 1 CONTROLLED BY BOTH CONTROLLERS 1 AND 2	ON		ON	
LATCH 1 CONTROLLED BY CONTROLLER 2 AND LATCH 2 CONTROLLED BY CONTROLLER 1		ON	ON	
LATCHES 1 AND 2 CONTROLLED BY CONTROLLER 1 AND LATCH 1 CONTROLLED BY CONTROLLER 2	ON	ON	ON	
LATCH 2 CONTROLLED BY CONTROLLER 2				ON
LATCH 1 CONTROLLED BY CONTROLLER 1 AND LATCH 2 CONTROLLED BY CONTROLLER 2	ON			ON
LATCH 2 CONTROLLED BY BOTH CONTROLLERS 1 AND 2		ON		ON
LATCHES 1 AND 2 CONTROLLED BY CONTROLLER 1 AND LATCH 2 CONTROLLED BY CONTROLLER 2	ON	ON		ON
LATCHES 1 AND 2 CONTROLLED BY CONTROLLER 2			ON	ON
LATCH 1 CONTROLLED BY CONTROLLER 1 AND 2 AND LATCH 2 CONTROLLED BY CONTROLLER 2	ON		ON	ON
LATCHES 1 AND 2 CONTROLLED BY CONTROLLER 2 AND LATCH 2 CONTROLLED BY CONTROLLER 1		ON	ON	ON
LATCHES 1 AND 2 CONTROLLED BY BOTH CONTROLLERS 1 AND 2	ON	ON	ON	ON

NOTES:

- MATERIALS ARE RoHS COMPLIANT
 - HOUSING - ABS
 - PCB - FR4
- ELECTRICAL SPECIFICATIONS
 - OPERATING VOLTAGE - 12-24 VDC
 - CONTACTS RATED FOR 1.5A MAX
 - CONTROL SIGNALS 300mA MAX
- MATING CONNECTORS
 - LAT1 & LAT2: PLUG, MODULAR, 6P6C
 - CTRL1 & CTRL2: PLUG, MODULAR, 8P8C
 - PWR: PLUG, BARREL, 2.1mm ID, 5.5mm OD
- INDIVIDUALLY SHIPPED IN ESD BAG WITH SWITCHES IN ON POSITION
- RECOMMENDED MOUNTING HARDWARE - M3.5 - M4.5 (NOT INCLUDED) DO NOT OVERTIGHTEN.
- FOR USAGE INSTRUCTIONS AND WIRE HARNESS OPTIONS SEE J-EA-A01-001-M
- SYSTEM DESIGNED FOR USE WITH SOUTHCO SUPPLIED WIRE HARNESSES, LATCHES AND POWER SUPPLIES ONLY (SEE SOUTHCO.COM FOR AVAILABILITY).
- SYSTEM MUST BE CONNECTED PER SOUTHCO GUIDELINES TO PREVENT DAMAGE TO SYSTEM COMPONENTS.
- WARNING: DO NOT USE 24 VOLT POWER SUPPLY WITH LATCHES AND ACCESS CONTROLLERS RATED FOR 12VDC.

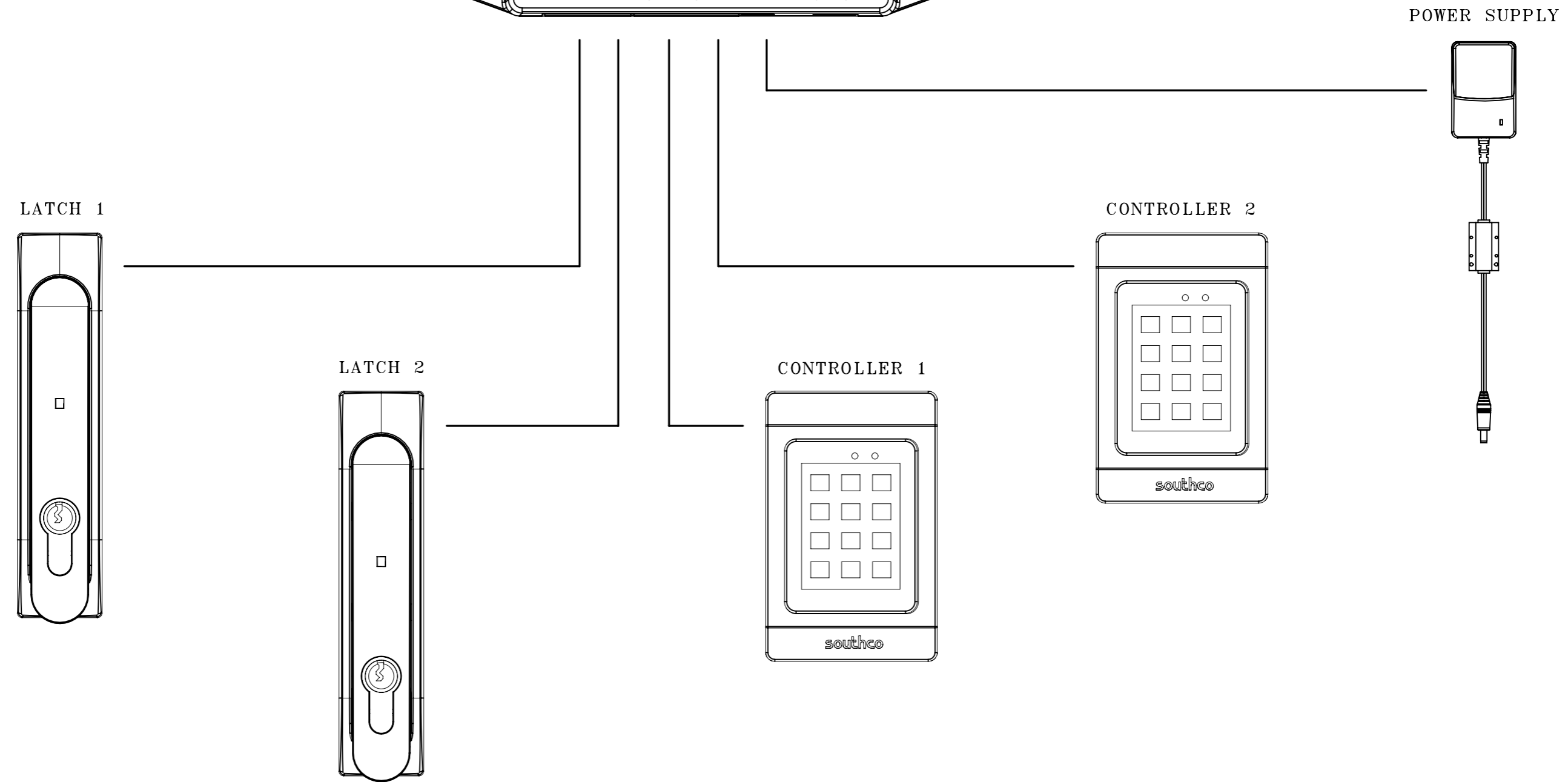
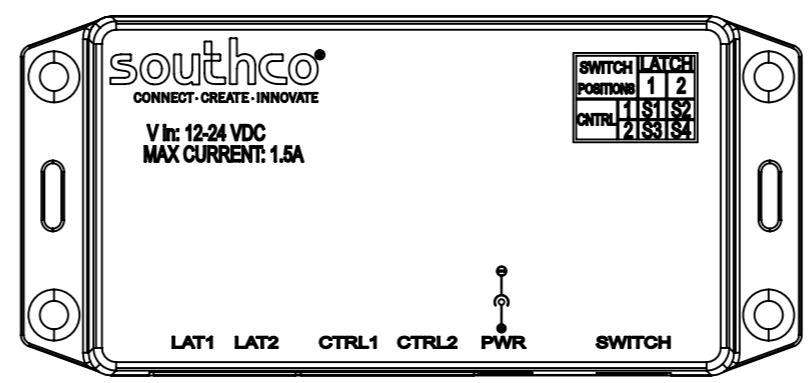


MOUNTING HOLES FOR #6 - #8 SCREWS
(M3.5 - M4)

PANEL PREPARATION

THIRD ANGLE PROJECTION	MILLIMETERS [IN]		 CONNECT·CREATE·INNOVATE	
SURFACE AREA XXXXXmm ²	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.		DESCRIPTION EA JUNCTION BOX	
VOLUME XXXXXmm ³	SIZE A3	SYSTEM NX	DWG NO. J-EA-A01-001	
PROPRIETARY ITEM <small>EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.</small>	PER ASME Y14.5M-1994		DRAWN BY ZNP/ACH	DATE 16MAR2010
			SCALE .75:1	SHEET 1 OF 1

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
A	19AUG2010	MJS/CLB	INITIAL RELEASE

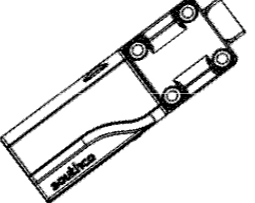
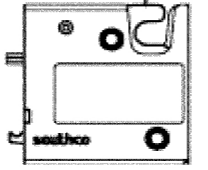
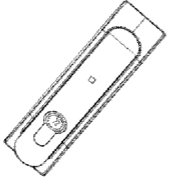
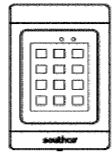
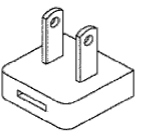
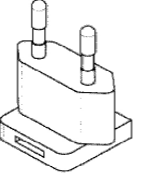
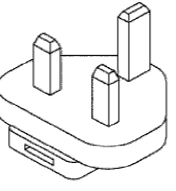
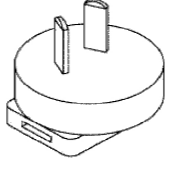


NOTE :
SEE TABLE ON NEXT PAGE FOR CABLE, LATCH, ACCESS CONTROLLER AND POWER SUPPLY OPTIONS THAT CAN BE USED WITH THIS SYSTEM.

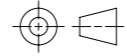

THIRD ANGLE PROJECTION		southco CONNECT · CREATE · INNOVATE			
MILLIMETERS [IN]					
SURFACE AREA XXXXXmm ²		DESCRIPTION JUNCTION BOX CONNECTION DIAGRAM			
VOLUME XXXXXmm ³					
PROPRIETARY ITEM <small>EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.</small>		SIZE A3	SYSTEM NX	DWG NO. J-EA-A01-001-M	
PER ASME Y14.5M-1994		DRAWN BY MJS/CLB	DATE 19AUG2010	SCALE 1:1	SHEET 1 OF 2

Junction Box Accessories

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
A	19AUG2010	MJS/CLB	INITIAL RELEASE

PART NUMBER	DESCRIPTION	FUNCTION	
EA-W02-503-51*	5 METER WIRE HARNESS - RJ12 TO HIROSE 4 PIN DF11-4DS-2C	CONNECTS JUNCTION BOX TO EM-10-XX-XXX ELECTRONIC KEEPER	
EA-W20-501-51*	5 METER WIRE HARNESS - RJ12 TO MOLEX 43020-0601	CONNECTS JUNCTION BOX TO R4-EM-XX-XXX ELECTRONIC ROTARY LATCH	
EA-W01-500-51*	5 METER WIRE HARNESS - RJ12 TO HIROSE 6 PIN DF11-6DS-2C	CONNECTS JUNCTION BOX TO H3-EM-60-100 ELECTRONIC SWING HANDLE	
EA-W52-506*	5 METER WIRE HARNESS - RJ45 TO STRIPPED AND TINNED END	CONNECTS JUNCTION BOX TO CUSTOMER APPLICATION	
EA-W52-506-80*	5 METER WIRE HARNESS - RJ45 TO JA CONNECTOR A2506H-09	CONNECTS JUNCTION BOX TO EA-K1 AND EA-P1 SERIES ACCESS CONTROLLERS	
EA-A02-002**	POWER SUPPLY WITH NA 2-PIN	SUPPLIES POWER TO SYSTEM	
EA-A02-002 & EA-A02-002-2	POWER SUPPLY WITH EURO 2-PIN	SUPPLIES POWER TO SYSTEM	
EA-A02-002 & EA-A02-002-3	POWER SUPPLY WITH UK 3-PIN	SUPPLIES POWER TO SYSTEM	
EA-A02-002 & EA-A02-002-4	POWER SUPPLY WITH SAA 2-PIN	SUPPLIES POWER TO SYSTEM	

*CONTACT SOUTHCO FOR CUSTOM LENGTHS
**EA-A02-002 COMES WITH EA-A02-002-1 NA 2-PIN

	THIRD ANGLE PROJECTION 	 CONNECT • CREATE • INNOVATE
	MILLIMETERS [IN]	
SURFACE AREA XXXXXmm ²	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION JUNCTION BOX CONNECTION DIAGRAM
VOLUME XXXXXmm ³		
PROPRIETARY ITEM <small>EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.</small>	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	DWG NO. J-EA-A01-001-M
PER ASME Y14.5M-1994	DRAWN BY MJS/CLB	DATE 19AUG2010
		SCALE 1:1
		SHEET 2 OF 2