

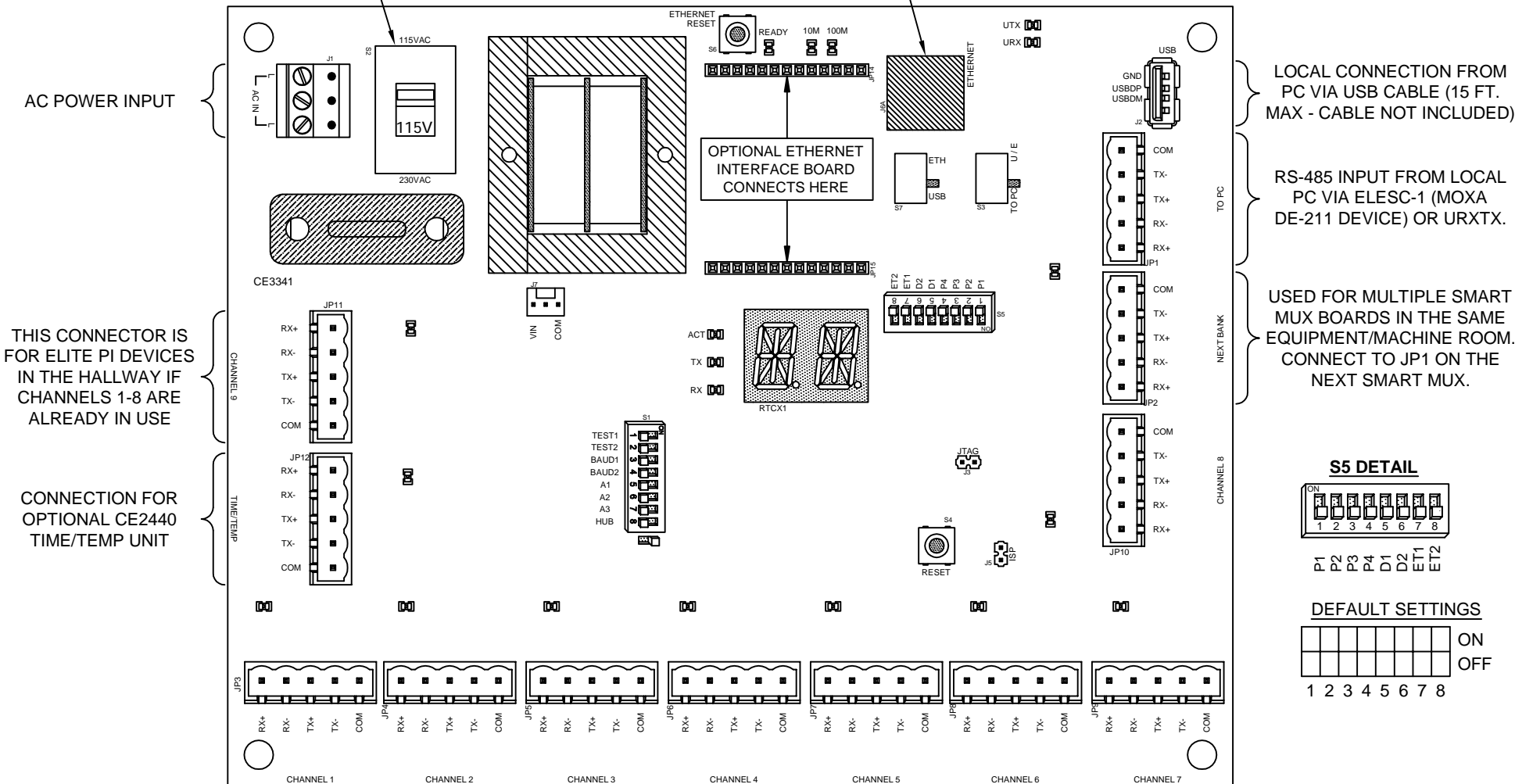
SMART MUX

JOB# _____

VOLTAGE SWITCH: SET TO THE CORRECT INPUT VOLTAGE PRIOR TO APPLYING POWER TO THE BOARD

ETHERNET CONNECTION: CONNECTS TO CUSTOMER'S 10/100 BaseT NETWORK (See Note)

S7 DEFAULTS S3
 ETH U/E
 USB TO PC



LOCAL CONNECTION FROM PC VIA USB CABLE (15 FT. MAX - CABLE NOT INCLUDED)

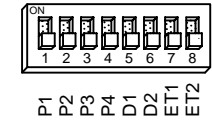
RS-485 INPUT FROM LOCAL PC VIA ELESC-1 (MOXA DE-211 DEVICE) OR URXTX.

USED FOR MULTIPLE SMART MUX BOARDS IN THE SAME EQUIPMENT/MACHINE ROOM. CONNECT TO JP1 ON THE NEXT SMART MUX.

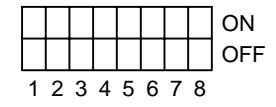
THIS CONNECTOR IS FOR ELITE PI DEVICES IN THE HALLWAY IF CHANNELS 1-8 ARE ALREADY IN USE

CONNECTION FOR OPTIONAL CE2440 TIME/TEMP UNIT

S5 DETAIL



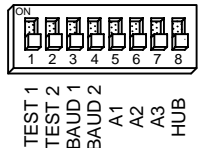
DEFAULT SETTINGS



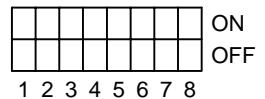
ETHERNET NOTE: CUSTOMER MUST CONFIGURE IP SETTINGS ON MODULE USING SUPPLIED SOFTWARE - SEE MANUAL ON CD FOR DETAILS.

CHANNELS 1 - 8 PROVIDE RS485 CONNECTIONS FOR UP TO EIGHT OTHER DEVICES, TYPICALLY ELITE PI DISPLAYS OR OTHER SMART-MUX BOARDS.

S1 DETAIL



DEFAULT SETTINGS



CODE VERSION _____

BOARD VERSION CE3341 _____

DATE DRAWN: 01/26/09	DRAWN BY: DAC	REQUESTED BY: TE	<p>C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43306 (419) 636-6705</p>
BOARD NUMBER: 3341	LAST DATE REVISED: 12/05/16	APPROVED BY:	
PRODUCT SMART MUX			DWG. NO. SMARTMUX_01
			REV: C

S3 and S7 SLIDE SWITCH SETTINGS

Slide Switches S3 and S7 select the active PC Input connection

S3	S7	Active Input Connection
TO PC	USB	JP1 - TO PC - Connects as noted on reverse
TO PC	ETH	JP1 - TO PC - Connects as noted on reverse
U/E	USB	J2 - USB - Connects to PC using a standard USB cable (10-ft. max)
U/E	ETH	J6A - ETHERNET - Must have optional Ethernet board installed (Use the Network Enabler Administration software on the PC for the Virtual Serial Port)

S1 DIP SWITCH SETTINGS

DIP Switches 1, 2 - Run Mode

DS1 Test1	DS2 Test2	UNIT RUN MODE
OFF	OFF	Normal Operating Mode
ON	OFF	Port/Display Test Mode: Sends out test packets to the Port/Address specified on S5. Display shows "D1" then "OK" for success or "--" for failure.
OFF	ON	Alternating Output Test: Sends an alternating 255 and 0 out to the port (meter checks).
ON	ON	Factory Test Mode: Used at the factory for initial board tests.

DIP Switches 3, 4 - Baud Rate

DS3 Baud1	DS4 Baud2	BAUD RATE - NOTE: Elite Pi display and PC Transfer application must also be set to the same baud rate
OFF	OFF	9600
ON	OFF	19200 - Factory Default
OFF	ON	38400
ON	ON	57600

DIP Switches 5, 6, 7, 8 - Board Address

DS5 A1	DS6 A2	DS7 A3	DS8 HUB	ADDRESS - NOTE: The PC Transfer app must also be set to use this address
OFF	OFF	OFF	OFF	Bank 1 - Factory Default
ON	OFF	OFF	OFF	Bank 2
OFF	ON	OFF	OFF	Bank 3
ON	ON	OFF	OFF	Bank 4
OFF	OFF	ON	OFF	Bank 5
ON	OFF	ON	OFF	Bank 6
OFF	ON	ON	OFF	Bank 7
ON	ON	ON	OFF	Bank 8
OFF	OFF	OFF	ON	Hub 1
ON	OFF	OFF	ON	Hub 2

S5 DIP SWITCH SETTINGS

DIP Switches 1, 2, 3, 4 - Test Port Address - Selects Port for Port Test

DS1 P1	DS2 P2	DS3 P3	DS4 P4	Port Selected
OFF	OFF	OFF	OFF	Channel 1 - JP3
ON	OFF	OFF	OFF	Channel 2 - JP4
OFF	ON	OFF	OFF	Channel 3 - JP5
ON	ON	OFF	OFF	Channel 4 - JP6
OFF	OFF	ON	OFF	Channel 5 - JP7
ON	OFF	ON	OFF	Channel 6 - JP8
OFF	ON	ON	OFF	Channel 7 - JP9
ON	ON	ON	OFF	Channel 8 - JP10
OFF	OFF	OFF	ON	Bank Channel - JP11
ON	OFF	OFF	ON	Time/Temp - JP12

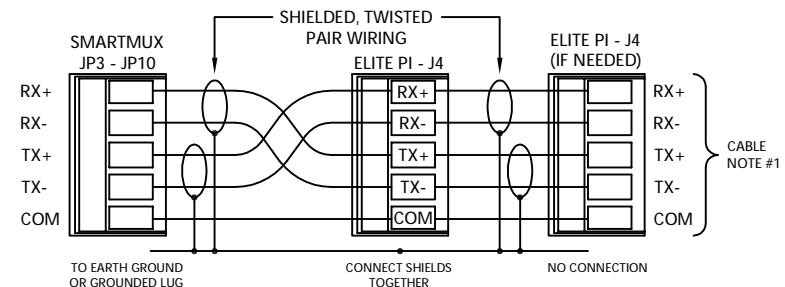
DIP Switches 5, 6:
Display Address for Port Test

DS5 D1 (1)	DS6 D2 (2)	Display Address
OFF	OFF	Display 1
ON	OFF	Display 2
OFF	ON	Display 3
ON	ON	Display 4

DIP Switches 7, 8 - Ethernet Timeout

DS7 ET1	DS8 ET2	Function
OFF	OFF	Ethernet does not reset
ON	OFF	Ethernet resets if no serial traffic for 7 minutes
OFF	ON	Ethernet resets if no serial traffic for 2 hours
ON	ON	Ethernet resets if no serial traffic for 24 hours

SMARTMUX to ELITE PI and (if needed) to ELITE PI



NOTE: Shields MUST be grounded to controller/earth ground lug

DATE DRAWN: 01/26/09	DRAWN BY: DAC	REQUESTED BY: TE	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 3341	LAST DATE REVISED: 10/18/17	APPROVED BY:	
PRODUCT: SMART MUX SETUP INFORMATION			
DWG. NO.: SMARTMUX_02			REV: B