

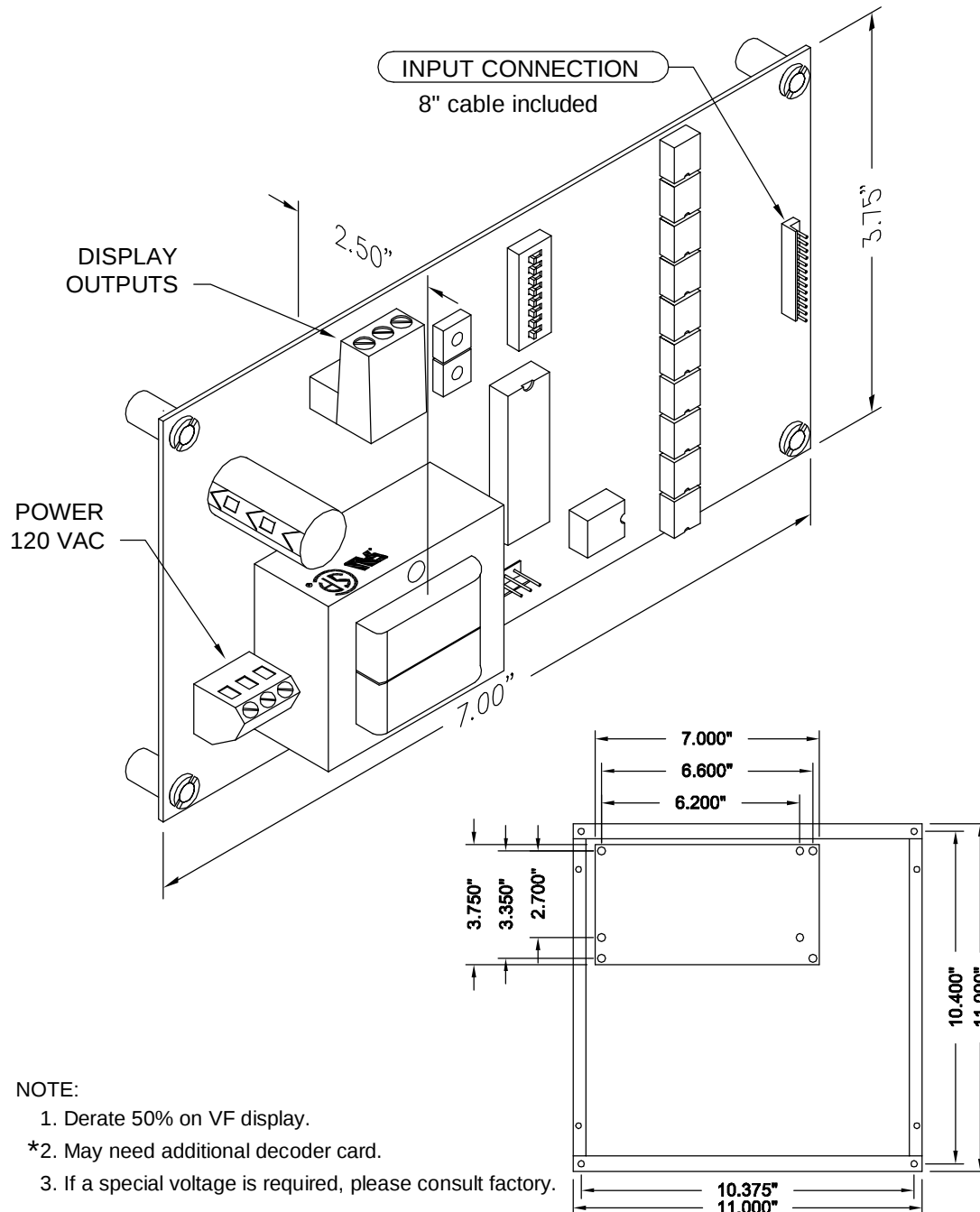


C.E. Electronics, Inc.
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www.ccelectronics.com

SMCDU-XXX

Ver. 2 Rel. 07/18/07

MICRO COMM[®]
DRIVERS



CONTROL DRIVER BOARD

This unit was designed to be a compact display driver board. The board is capable of driving 4 displays remote from itself. Any Micro Comm series display can be utilized with this unit.

Features:

- Latched inputs
- Cross wire protected
- Self testing
- Alternate message
- Passing chime output
- Remote display
- Self-contained
- Error detection and correction feature
- UL listed
- **Fullwave Bridge AC/DC inputs**
- 8 Inputs & Up/Down

TO ORDER - SPECIFY SMCDU - X X X

SIGNAL VOLTAGE:

- "A" = POSITIVE 6-20VAC/DC, 24VAC
- "B" = POSITIVE 24-48VDC, 48VAC
- "C" = POSITIVE 120VAC
- "D" = POSITIVE 125VDC
- "E" = NEGATIVE 6-20VDC
- "F" = NEGATIVE 24-48VDC
- "G" = NEGATIVE 125VDC

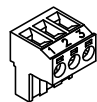
BUILD:

- "B" = with BOX & COVER
- "X" = no BOX or COVER

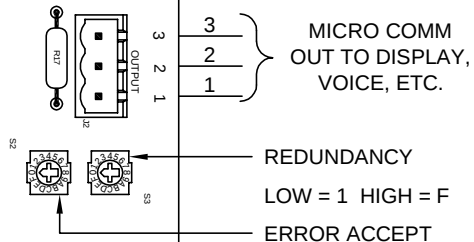
SIGNAL FORMAT:

- "1" = SINGLE LINE/FLOOR *
- "2" = BINARY
- "3" = UNITS & TENS *
- "4" = GRAY CODE
- "5" = INVERTED BINARY
- "6" = SPECIAL

JOB# _____



TYPICAL MICRO COMM
CONNECTOR
1=COM 2=V+ 3=DATA



SELF-TEST
FAST TEST
PLAY STROBE INVERT / INPUT TEST
MESSAGE / ARRIVAL COMBO
MESSAGE PORT SLPF / BINARY
ZERO SCAN SLOT
NOT USED
INVERT MSG MODULE DATA

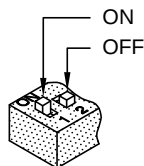
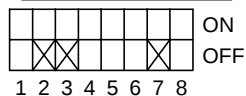
ROTARY SWITCH S2

ROTARY SWITCH S3

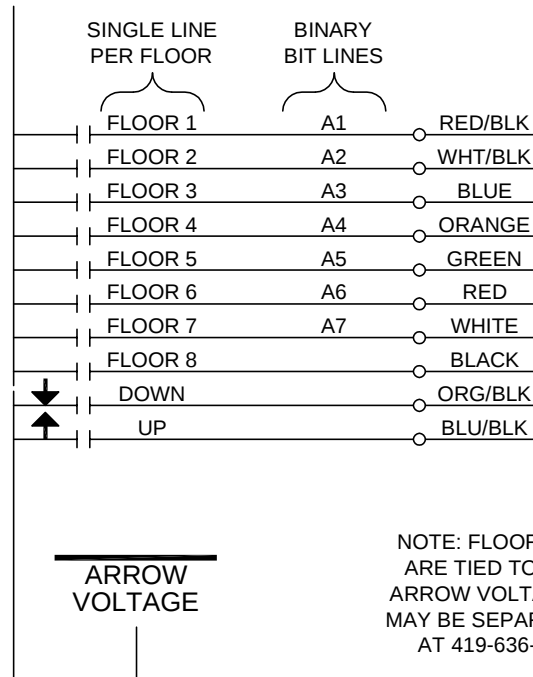
CODE VERSION

BOARD VERSION CE3420

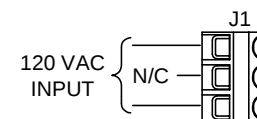
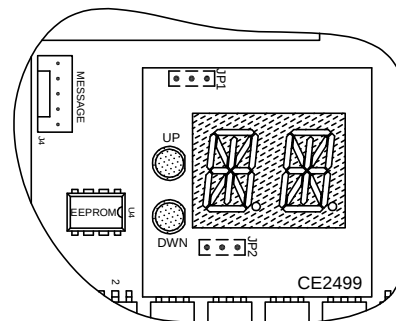
DEFAULT SETTINGS



SIGNAL
VOLTAGE
(FROM CONTROLLER)



NOTE: FLOOR SIGNAL AND ARROW COMMONS ARE TIED TOGETHER. IF FLOOR SIGNAL AND ARROW VOLTAGES ARE DIFFERENT, COMMONS MAY BE SEPARATED. CONTACT TECH SUPPORT AT 419-636-6705 FOR MORE INFORMATION.

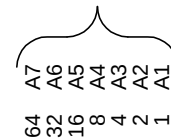


BINARY CHART ON BACK

DATE DRAWN: 01/21/08		DRAWN BY: DAC		REQUESTED BY: JK		 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705	
BOARD NUMBER: 3420		LAST DATE REVISED: -		APPROVED BY:			
PRODUCT SMCDU MICRO COMM DRIVER							
						DWG. NO. SMCDU014	REV.

BINARY FLOOR CHART

BINARY BITS



1000000			
0111111	0101111	0011111	0001111
0111110	0101110	0011110	0001110
0111101	0101101	0011101	0001101
0111100	0101100	0011100	0001100
0111011	0101011	0011011	0001011
0111010	0101010	0011010	0001010
0111001	0101001	0011001	0001001
0111000	0101000	0011000	0001000
0110111	0100111	0010111	0000111
0110110	0100110	0010110	0000110
0110101	0100101	0010101	0000101
0110100	0100100	0010100	0000100
0110011	0100011	0010011	0000011
0110010	0100010	0010010	0000010
0110001	0100001	0010001	0000001
0110000	0100000	0010000	0000000

INSTALLATION GUIDE

1. Supply 110VAC power to the outer terminals of connector J1. The center terminal is not connected.
2. Turn on DIP switch one to start self-test. The unit will cycle through the floor/message data. Verify the floor markings displayed are the ones required for the job.
3. Verify the input resistors are fully seated in their sockets.
4. Connect the unit to the controller through the 12-pin MTA connector. The voltage, polarity, and input connections are marked on the reverse side of this diagram. This unit works like a light bulb. It must have voltage from common to the selected input.
5. For Single Line per Floor connections, there should only be one floor input wire with voltage present (with reference to common) at any time.
6. If the unit fails to operate properly, write down the serial number from the white job label on the unit and exactly what is displayed for each floor input. Contact Customer Tech Support at 419-636-6705.

DATE DRAWN: 06/23/05	DRAWN BY: DAC	REQUESTED BY: DAC	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: N/A	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT SMCDU BINARY FLOOR CHART			
DWG. NO. SMCDU008			REV: -