

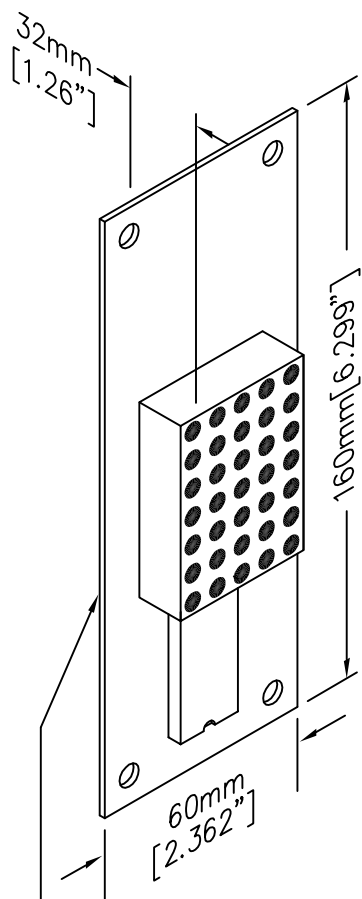


C.E. Electronics, Inc.  
2107 Industrial Drive  
Bryan, OH 43506  
PH (419) 636-6705 FX (419) 636-2516  
www.ccelectronics.com

# EV120-XXXXX

Ver. 5 Rel. 02/09/2012

EUROPEAN  
SERIES



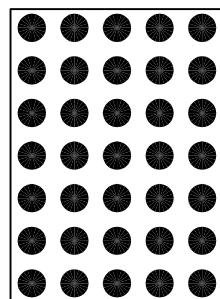
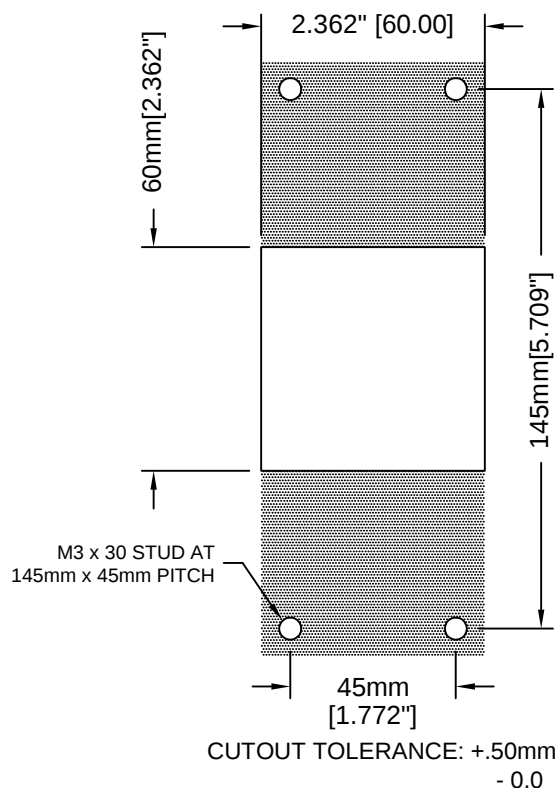
## INPUT CONNECTION

SCREW TYPE INPUT CONNECTOR  
12-24VAC/DC INPUT POWER  
AND SIGNAL INPUTS

## RENEWAL PARTS

Lens: 104-5578 RED  
Lens: 104-6045 GRAY  
Lens: 104-9045 BLUE

## PANEL PREPARATION



50mm [2"] CHARACTER

## DOT MATRIX

Dot Matrix LED Digital Indicator for floor position display, as well as car direction, if desired. Any alphanumeric or custom character can be displayed in single digit floor designations.

### Typical Applications:

- Car-OP Panel
- Transom-car or Hall

### Features:

- Low cost design
- Self contained unit
- Latched input
- Scrolling & roll over
- Hall lantern option
- Passing chime output
- Self Testing
- Message inputs
- Error detection and correction feature

### TO ORDER - SPECIFY EV120 - X X X X X

#### COLOR:

"R" = RED  
"A" = AMBER  
"G" = GREEN  
"B" = BLUE  
"W" = WHITE

#### LENS:

"R" = RED  
"G" = GRAY  
"B" = BLUE  
"X" = NO LENS

#### NUMBER OF INPUTS:

"1" = 7 INPUT  
"M" = MICRO COMM 3 WIRE INPUT\*  
"P" = MICRO COMM INPUT W/ PASSING CHIME\*  
"S" = BOTH DIRECT & MICRO COMM INPUT

#### SIGNAL VOLTAGE:

"A" = POSITIVE 6-20VDC, 6-24VAC  
"B" = POSITIVE 24-48VDC, 24-48VAC  
"C" = 120VAC  
"D" = POSITIVE 125VDC  
"E" = NEGATIVE 6-20VDC  
"F" = NEGATIVE 24-48VDC  
"G" = NEGATIVE 125VDC  
"X" = IF MICRO COMM

#### SIGNAL FORMAT:

"1" = SINGLE LINE/FLOOR  
"2" = BINARY  
"4" = GRAY CODE  
"6" = SPECIAL  
"X" = NO SELECTION

### NOTE:

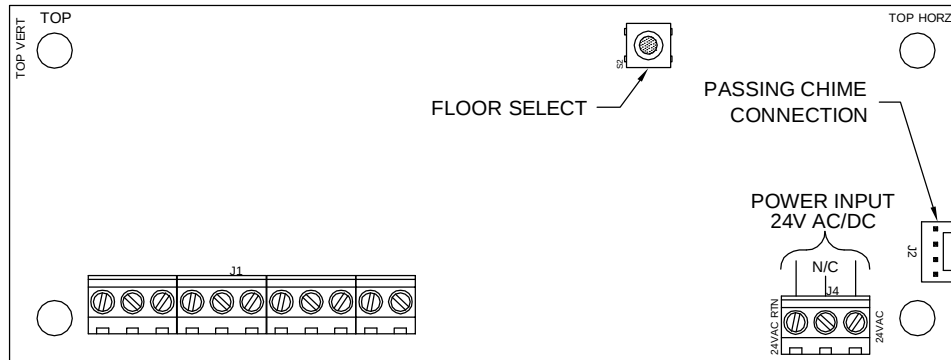
1. If a special voltage is required, please consult factory.

2. A supply of 12-24VAC/DC positive or negative is also required.

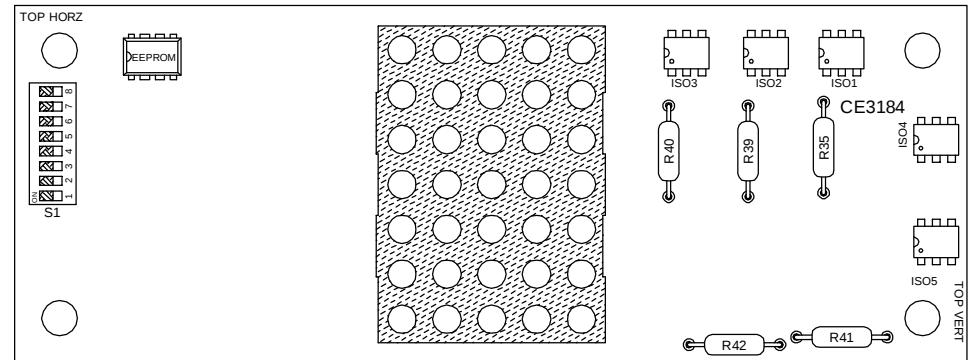
\*3. This is not a stand alone unit. Must be used in conjunction with a Micro Comm interface.

# EURO DM SINGLE-DIGIT DISPLAY

JOB# \_\_\_\_\_



BACK VIEW

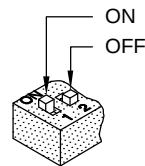


FRONT VIEW

SIG COM  
FLOOR 1  
FLOOR 2  
FLOOR 3  
FLOOR 4  
FLOOR 5  
FLOOR 6  
FLOOR 7  
ARR COM  
UP OR FLOOR 9  
DOWN OR FLOOR 8

S2 Floor Select Switch - sets the display to show an arrival arrow when the car is at a specific floor. To set the unit for arrival mode, position the car at the desired floor or turn on self-test. When the display shows the desired floor, press and hold S2 until the floor position changes to an arrow. To return to normal operation, press and hold S2 until the arrow changes to the floor position.

NOTE: The UP and DOWN inputs use a separate common than the FLOOR 1-7 inputs. If the signal voltage is from the same source for both sets of inputs or the UP/DOWN inputs are used for floor inputs, the signal common and arrow common should be tied together.



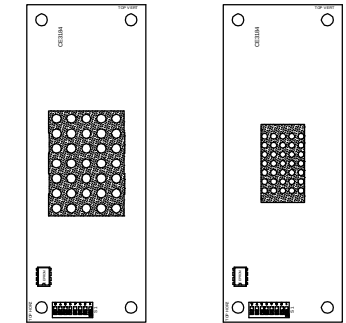
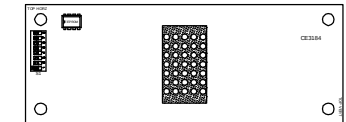
DEFAULT SETTINGS

|   |   |   |   |   |   |   |   |    |     |
|---|---|---|---|---|---|---|---|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | ON | OFF |
| X | X | X | X | X | X | X | X |    |     |

|   |   |   |   |   |   |   |   |                  |
|---|---|---|---|---|---|---|---|------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | SIDE SCROLL RATE |
| X | X | X | X | X | X | X | X |                  |
| X | X | X | X | X | X | X | X | UP/DN ROLL RATE  |
| X | X | X | X | X | X | X | X |                  |
| X | X | X | X | X | X | X | X | FIRE MAIN BLANK  |
| X | X | X | X | X | X | X | X |                  |
| X | X | X | X | X | X | X | X | FIRE ALT BLANK   |
| X | X | X | X | X | X | X | X |                  |
| X | X | X | X | X | X | X | X | REDUNDANCY       |
| X | X | X | X | X | X | X | X |                  |
| X | X | X | X | X | X | X | X | SELF-TEST        |

BINARY FLOOR CHART

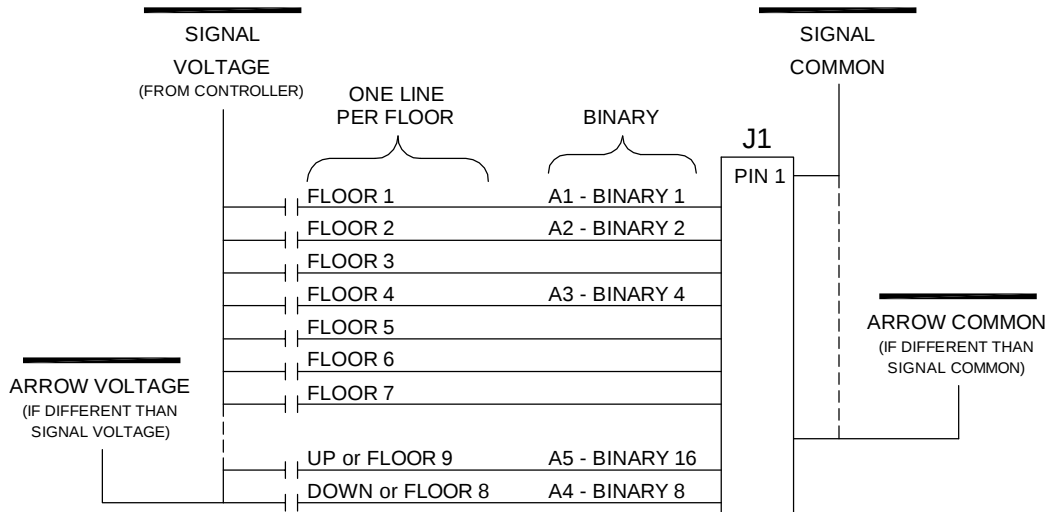
|       |       |
|-------|-------|
| 11111 | 01111 |
| 11110 | 01110 |
| 11101 | 01101 |
| 11100 | 01100 |
| 11011 | 01011 |
| 11010 | 01010 |
| 11001 | 01001 |
| 11000 | 01000 |
| 10111 | 00111 |
| 10110 | 00110 |
| 10101 | 00101 |
| 10100 | 00100 |
| 10011 | 00011 |
| 10010 | 00010 |
| 10001 | 00001 |
| 10000 | 00000 |



CODE VERSION \_\_\_\_\_

BOARD VERSION CE3184 \_\_\_\_\_

CONNECTION DIAGRAM FOR THE FOLLOWING UNITS:  
EH120, EH110, EV120, EV110

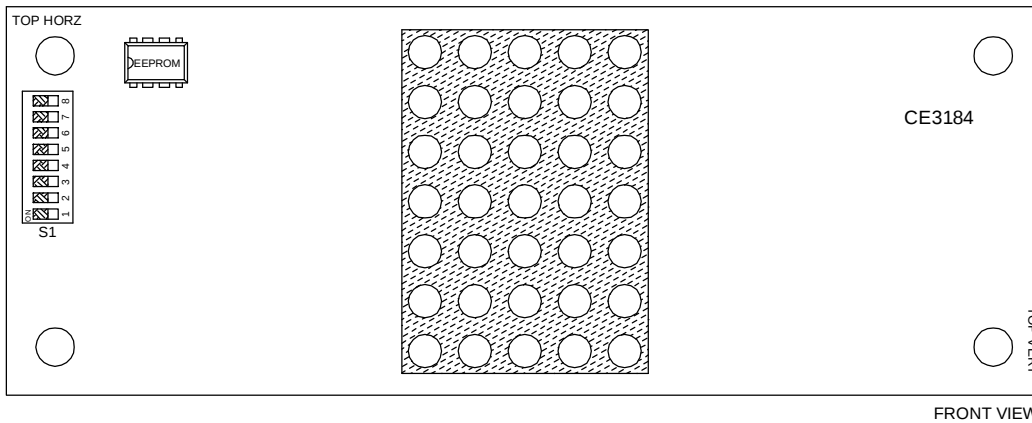
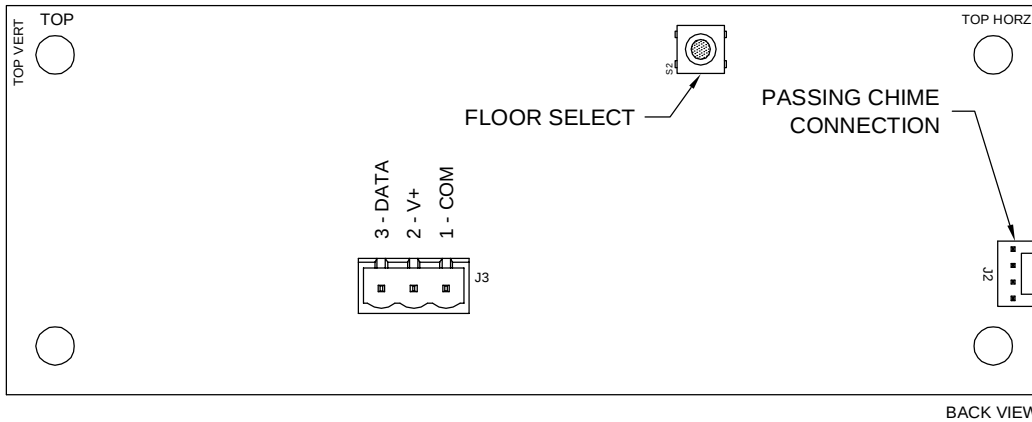


|                                       |                             |                  |                                                                                                  |
|---------------------------------------|-----------------------------|------------------|--------------------------------------------------------------------------------------------------|
| DATE DRAWN: 08/04/05                  | DRAWN BY: DAC               | REQUESTED BY: DV | <p>C.E. ELECTRONICS, INC.<br/>2107 Industrial Drive<br/>Bryan, Ohio 43506<br/>(419) 636-6705</p> |
| BOARD NUMBER: 3184                    | LAST DATE REVISED: 11/02/10 | APPROVED BY:     |                                                                                                  |
| PRODUCT: EURO DM SINGLE-DIGIT DISPLAY |                             |                  |                                                                                                  |
| DWG. NO.: EURODM 01                   |                             |                  |                                                                                                  |

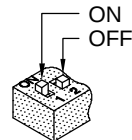
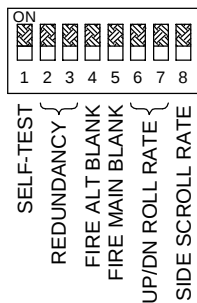
# EURO DM SINGLE-DIGIT DISPLAY

(MICRO COMM INPUT)

JOB# \_\_\_\_\_



## DIP SWITCH DETAIL



## DEFAULT SETTINGS

|   |   |   |   |   |   |   |   |     |
|---|---|---|---|---|---|---|---|-----|
|   |   |   |   |   |   |   |   | ON  |
| X | X | X |   |   |   |   |   | OFF |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |     |

CODE VERSION \_\_\_\_\_

BOARD VERSION CE3184 \_\_\_\_

S2 Floor Select Switch - sets the display to show an arrival arrow when the car is at a specific floor. To set the unit for arrival mode, position the car at the desired floor or turn on self-test. When the display shows the desired floor, press and hold S2 until the floor position changes to an arrow. To return to normal operation, press and hold S2 until the arrow changes to the floor position.

CONNECTION DIAGRAM FOR  
THE FOLLOWING UNITS:  
EH120, EH110, EV120, EV110



TYPICAL PASSING CHIME CONNECTOR.  
USE WITH C.E. PART# MPCB-1 ONLY.



POSITION INDICATOR INPUT  
CONNECTS TO MICRO COMM DRIVER  
OUTPUT (1 TO 1, 2 TO 2, 3 TO 3).

|                                                                           |                                |                     |                                                                                               |
|---------------------------------------------------------------------------|--------------------------------|---------------------|-----------------------------------------------------------------------------------------------|
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| BOARD NUMBER:<br>3184                                                     | LAST DATE REVISED:<br>11/01/10 | APPROVED BY:        |                                                                                               |
| PRODUCT: EURO DM SINGLE-DIGIT MC DISPLAY<br>DWG. NO.: EUROMD_02<br>REV: A |                                |                     |                                                                                               |