# MCCA-XXXXXXX CENTRAL CONTROL UNIT ("CCU")



## MICRO COMM DRIVERS CENTRAL CONTROL UNIT ("CCU")

Drives any remote display indicator (RDI's, Voice, Lanterns) on the C.E. Micro Comm 3-wire display network. The "MCCA" accepts the floor select signals in a choice of formats and voltages, does a redundancy check to verify correct inputs, then sends out all necessary signals for digital floor position, car direction and passing chime to all RDI's via 3-wires,

## TYPICAL APPLICATIONS:

- >UL listed
- > Arrival arrows
- **Strobe**
- > Fast, 3-wire hookup
- > Latched inputs
- Cross wire protected
- >Self testing
- >With alternate message module capable of 8 prioritized messages
- > Drives multiple RDI's directly
- > Passing chime output
- Error detection and correction feature



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Ver. 1 Rel. 06/18/02





# UP UP DN

NOTE:

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

\*2. Requires external decoder board.

## CENTRAL CONTROL UNIT ("CCU") UL listed controller

Drives any remote display indicator (RDI's, Voice, Lanterns) on the C.E. Micro Comm 3-wire display network. The "MCCA" accepts the floor select signals in a choice of formats and voltages, does a redundancy check to verify correct inputs, then sends out all necessary signals for digital floor position, car direction and passing chime to all RDI's via 3 wires.

## Features:

- UL listed
- Arrival arrows
- Strobe
- Fast, 3-wire hookup
- Latched inputs
- Cross wire protected
- Self testing
- With Alternate message module capable of 8 prioritized messages
- Drives 31 RDI's directly
- Passing chime output
- Error detection and correction feature

## TO ORDER: - MCCA - X X X X X X X X

NUMBER OF INPUTS: "2" = 15 INPUT "4" = 31 INPUT	<ul> <li>IRANSFORMER/BUILD</li> <li>"A" = 110/120VAC Transformer w/Box</li> <li>"B" = 110/120VAC Transformer w/o Box</li> <li>"E" = 220/230VAC Transformer w/o Box</li> <li>"F" = 220/230VAC Transformer w/o Box</li> <li>"X" = No Box/No Transformer</li> </ul>
"5" = 55 INPUI *"8" = 119 INPUT SIGNAL VOLTAGE: "A" = POSITIVE 6-20VDC, 6-24VAC "B" = POSITIVE 24-48VDC, 24-48VAC "C" = 120VAC (Use POSITIVE build) "D" = POSITIVE 125VDC "E" = NEGATIVE 6-20VDC "F" = NEGATIVE 6-20VDC "F" = NEGATIVE 24-48VDC "C" = NEGATIVE 125VDC	STROBE VOLTAGE "A" = POSITIVE 6-20VDC, 6-24VAC "B" = POSITIVE 24-48VDC, 24-48VAC "C" = 120VAC (Use POSITIVE build) "0" = POSITIVE 125VDC "E" = NEGATIVE 6-20VDC "F" = NEGATIVE 6-20VDC "G" = NEGATIVE 24-48VDC "G" = NEGATIVE 125VDC ARRIVAL ARROW VOLTAGE
SIGNAL FORMAT: "1" = SINGLE LINE/FLOOR "2" = BINARY "3" = UNITS & TENS "4" = GRAY CODE "5" = INVERTED BINARY	"A" = POSITIVE 6-20VDC, 6-24VAC "B" = POSITIVE 24-48VDC, 24-48VAC "C" = 120VAC (Use POSITIVE build) "D" = POSITIVE 125VDC "E" = NEGATIVE 6-20VDC "F" = NEGATIVE 24-48VDC "G" = NEGATIVE 125VDC
"6" = SPECIAL	TRAVEL ARROW VOLTAGE "A" = POSITIVE 6-20VDC, 6-24VAC "B" = POSITIVE 24-48VDC, 24-48VAC "C" = 120VAC (Use POSITIVE build) "D" = POSITIVE 125VDC "E" = NEGATIVE 6-20VDC "F" = NEGATIVE 24-48VDC "G" = NEGATIVE 125VDC







### NOTE:

1. Derate 50% on VF display.

\*2. May need additional decoder card.

![](_page_3_Picture_0.jpeg)

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

![](_page_3_Picture_2.jpeg)

Ver. 3 Rel. 01/05/2012

![](_page_3_Figure_5.jpeg)

\* 1. May require external decoder board.

NOTE: 8 Discrete or Binary Inputs - may require additional input boards

![](_page_4_Picture_0.jpeg)

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![](_page_4_Picture_2.jpeg)

![](_page_4_Picture_5.jpeg)

#### NOTE:

\*1. May need additional decoder card.

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

## **CONTROL DRIVER BOARD**

This unit was designed to be a compact low voltage display driver board. The board is capable of driving up to 30 displays remote from itself. The number of displays driven is subject to the power supply provided. Any Micro Comm series can be utilized with this unit.

### Features:

- Latched inputs
- Cross wire protected
- Self testing
- Alternate message
- Passing chime output
- Remote Display
- Self-contained
- 24 volt power supply
- Error detection and correction feature
- 8 Inputs & Up/Down

## TO ORDER: - SPECIFY SHCDUE - X X X

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

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

BUILD: "B" = with BOX & COVER "X" = no BOX or COVER

![](_page_5_Picture_0.jpeg)

![](_page_5_Picture_1.jpeg)

![](_page_5_Figure_3.jpeg)

## **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

![](_page_5_Figure_19.jpeg)

![](_page_6_Figure_0.jpeg)

![](_page_7_Figure_0.jpeg)