OVERVIEW

The CRC4214 0-10V Dimming Control Unit (4) provides 4 independent channels for dimming control of fluorescent ballasts and LED converters that accept the 0-10VDC dimming standard. There are high and low trim functions for each output that can restrict the maximum and minimum light levels.
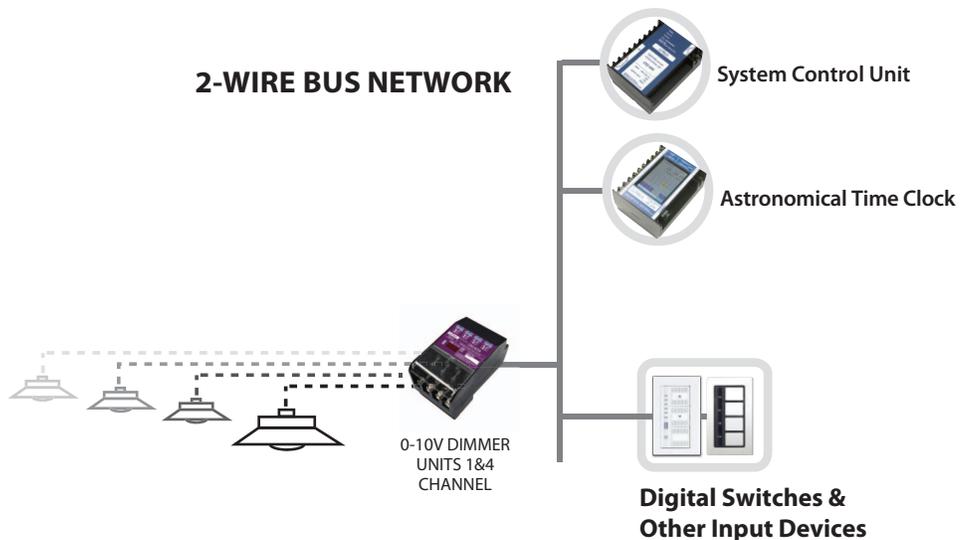
FEATURES

• Each output provides 100mA of sinking current to control ballasts/drivers
• When the device loses power, it automatically opens the + and - contacts forcing the lights to full bright
• High/Low trim for each output
• Each CRC4214 is addressed using the CRC6400 Address Setting Unit
• Power is provided from 2-Wire Signal Line (no additional power source required)

SPECIFICATIONS

Size:	2.35"H x 3.77"W x 1.96"L (Overall)
	(60mm x 96mm x 50mm)
Weight:	7.94 oz
Mounting:	Panel Mounting Strap (x2)
Input Signal:	±24VAC
	11.0 mA
Output Signal:	24VAC
Transmission Frequency:	9.6kHz ±0.2 kHz
Operating Temp:	14 to 131°F (-10 to 55°C)
Programming:	Via CRC6400
High Trim:	100% down to 50%
Low Trim:	0% down to 50%

2-WIRE BUS NETWORK

System Control Unit

Astronomical Time Clock

DIMMING CONTROL
Dimming Control for
LED / FLUORESCENT /
Other 0-10V Signals

0-10V DIMMER
UNITS 1&4
CHANNEL

Digital Switches & Other Input Devices

Trim Setting Examples

Without Trim
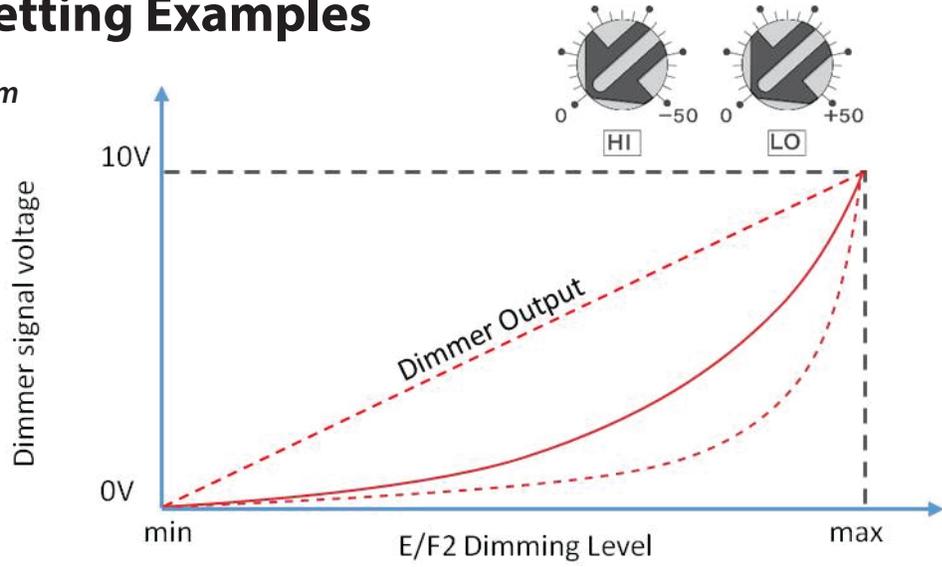
With Low Trim
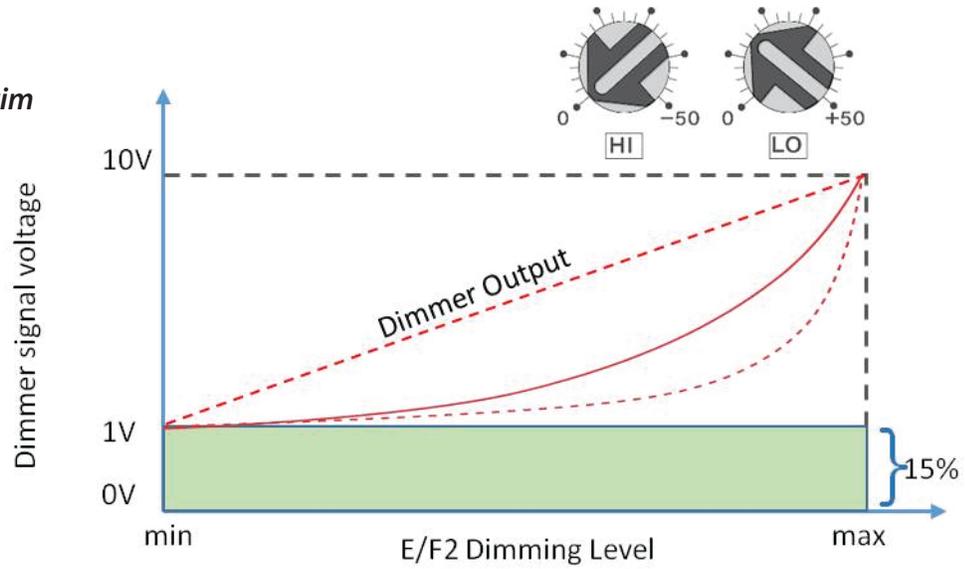
With High & Low Trim

DIMENSIONS

60 (2.362")

50 (1.969)

96 (3.78")

IR Port
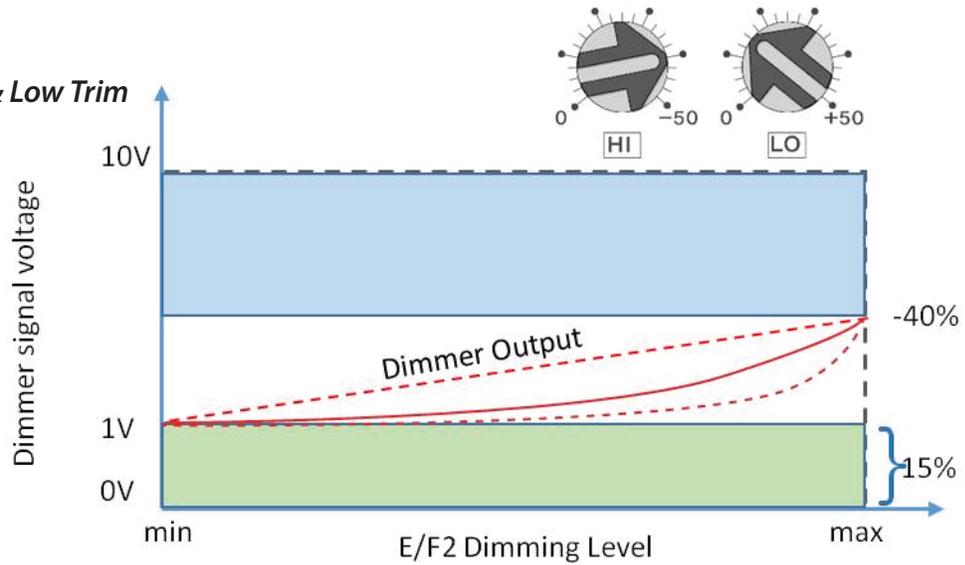
2-Wire Data
Terminals
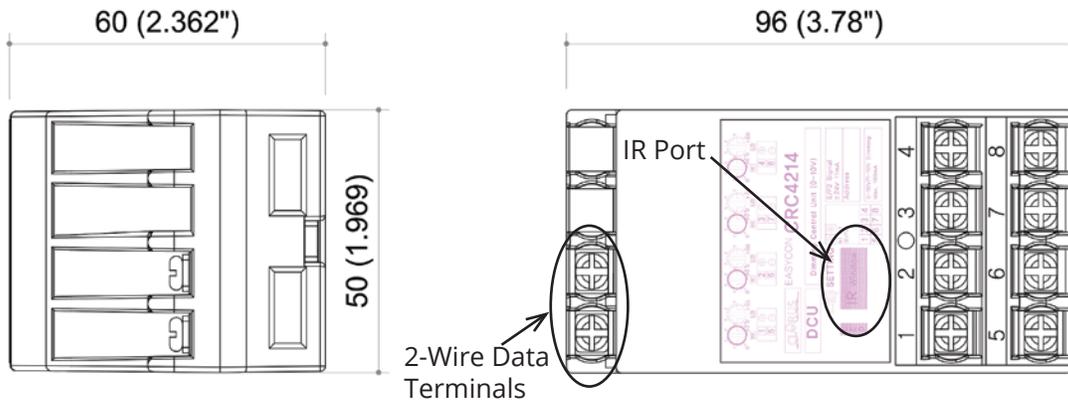
DEVICE TERMINAL MAPPING

Terminals 1: + for Dimmer 1 (row 1 in CRC6400)   Terminals 5: - for Dimmer 1 (row 1 in CRC6400)
Terminals 2: + for Dimmer 2 (row 2 in CRC6400)   Terminals 6: - for Dimmer 2 (row 2 in CRC6400)
Terminals 3: + for Dimmer 3 (row 3 in CRC6400)   Terminals 7: - for Dimmer 3 (row 3 in CRC6400)
Terminals 4: + for Dimmer 4 (row 4 in CRC6400)   Terminals 8: - for Dimmer 4 (row 4 in CRC6400)

PROGRAMMING INFORMATION

1. **Read out the CRC4214 using the CRC6400 through the IR Window**
2. **Click the control type cell for the first row**
3. **Select the type of control (Must be INDIVIDUAL)**
4. **Click the address cell for the first row**
5. **Input address number i.e. 63-1 (DO NOT DUPLICATE IN SYSTEM)**
6. **Repeat steps 2-5 for each row necessary**
7. **Send out the addressing to the CRC4214 using the CRC6400 through the IR Window**