The FCM1RD is a PCS® GreenWorx® fixture control module which features 1 channel of 0-10 V dimming control. The module is part of a complete PCS engineered GreenWorx Lighting Control System. It allows for the control of one fixture providing one relay to control the primary power to the fixture and also 0-10VDC output to control the level of the fixture. The FCM1RD can control any fluorescent, LED, or induction 0-10V lighting fixture.

For more information on PCS GreenWorx Lighting Control System, please contact PCS Sales Support Services.

- System supports up to 3500 FCMs in one network
- Each FCM can belong to 16 zones and 64 scenes
- 1 channel Relay for control of primary fixture power
- 0-10V Dimming control dimming with up to 16 preset levels
- Compatible with fluorescent, LED, or Induction ballast lighting loads
- Versions to Support 120 or 277 Volt applications
- 50Hz or 60Hz compatible
- 4 Amp load rating for single channel
- Positive air gap at each output
- Industrial Powerline Communications® Pulse Position Modulation communications
- Local controls for testing and verification
- Local and remote override capability
- Non-volatile power failure memory
- Total ON time logging
- Relay Closure Time Logging
- Return to previous light level after power outage
- Go to 100% if no system controller heartbeat message detected

**SPECIFICATIONS**

**Load Ratings**
Channels: 1
- Per Channel: 4 Amps @ 100 or 277 Volts AC, 50/60 Hz;
- Switch Load Types: Fluorescent Ballast, Induction, LED
- Relay Lifetime: 100,000 on/off operations at full electronic ballast load

**Power Requirements**
Primary: 100 or 277 Volts AC, 50/60Hz

**Connectors**
- Wago #253 Series or equivalent
- 6-position connector terminal block
- 16-20Solid AWG, 0.5 - 1.5 mm² push-in connectors

**Controls & Indicators**
Operational mode of momentary push button:
- SETUP Mode = 5 taps while in NORMAL Mode
- SETUP Mode Exit = 1 or 2 taps while in SETUP Mode
- TEST Mode = Press & Hold in NORMAL Mode
- TEST Mode Exit = Press & Hold while in TEST Mode
- FACTORY Default = 10 taps while in SETUP Mode

- LED Status indicators:
  - SETUP Mode = Blinks between Green/Black
  - TEST Mode = Blinks between Orange/Black
  - Transmitting = Blinks Red
  - Receiving = Toggles Green/Red
  - Receiving Noise = Toggles Green/Black
  - Receiving no signal = Blinks Green
  - FACTORY Defaulted = Blinks between Red/Black

**Enclosure**
Surface or recessed mount module, mounts in fixture ballast compartment

**Environmental**
- Temperature: -40°F to 194°F (-40°C to 90°C)
- High-temp version available -40°F to 240°F (-40°C to 115°C)
- Humidity: 10% to 90% RH (non-condensing)
- Heat Dissipation: .82W

**Dimensions**
- Length: 4.90 in (125 mm), Width: 2.35 in (60 mm), Depth: 1.25 in (32 mm), Weight: 6.1oz (173 g)

**Electrical Regulatory Certifications**
- ETL tested to UL508
Typical Wiring Diagram

- **Lamps**
- **0-10V Dimming Ballast**
- **Line In**
- **Neutral In**
- **0-10 (+)**
- **0-10 (-)**
- **Hot**
- **Neutral**

0-10 (-) is internally connected to power NEUTRAL not Class 2

**DIMENSIONS**

- Dimensions are measured in millimeters or inches, depending on the context.

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