

# Unity Architectural Dimmers

- 4 Dimmable Circuits
- Dims Approx. 20 Dual F32T8 Fixtures per Circuit
- Zero Crossing Solid State Switching
- AR1202 / AR602 Interface Provided
- **Dimmed 120VAC + 0-10 VDC Analog**

## FL4020D Fluorescent Ballast Module



The FL Series is a two or four channel controller add on product for the AR1202 Unity Architectural dimmer. It provides control of dimmable fluorescent lighting ballasts. The FL Series provides two or four 2400 Watt channels of fluorescent dimming which is interfaced to the AR1202 control circuitry. The AR1202 uses two or four of its auxiliary channels to control the FL Series. Dual SCR "zero crossing" switching is used to control the switched hot lines. The FL Series is supplied in two versions: The "A": Controls ballasts which use a switched 120 VAC "hot" and a dimmed 120 VAC as a control signal. The "D": Controls ballasts which use a switched 120 VAC "hot" and a 0-10 VDC dimming control signal.

### SPECIFICATIONS

Circuits/Capacity:	4 at 2400 Watts each	Control Sources:	Pulse Width Modulated Signals from AR1202
Power Input:	4 Hots of 120VAC, 20 Amps each + Neutral and Ground	Output Signals:	Dimmed 120VAC + 0-10 VDC Analog
Circuit Breakers:	20 Amp Fast Acting Magnetic	Size:	12"H x 10"W x 4"D
Cooling:	Integral Heat Sink	Weight:	17.7 Pounds
Control Wiring:	12' Harness provided		

### Architect & Engineer's Specifications

The units shall be a 4 circuit add-on product for the AR1202 dimmer. The unit shall provide four 2400 Watt circuits of fluorescent dimming which shall be interfaced to the AR1202 control circuitry. The AR1202 shall use it's 4 auxiliary channels (13 - 16) to control the FL4020D. When installed, the unit shall become a fully integrated extension of the AR1202 and shall be addressed and programmed as 4 normal dimming channels.

Dimensions are 12"W x 10"H x 4"D, the weight is 17.7 pounds.

The dimming system shall be a Lightronics FL4020D.

To view and/or download the Owner's Manual click here: [www.lightronics.com/manuals/fl4020m.pdf](http://www.lightronics.com/manuals/fl4020m.pdf)