

a2i™



## Features

- Flexible Modular Dimming System
- Three cabinet sizes for 3, 6 and 9 modules
- Convection cooled
- Fully digital control electronics
- Dual DMX inputs
- Outlook Architectural control
- ShowNet Ethernet Network option
- IGBT, and Standard SCR dimmer modules are available for dimming a wide range of loads.
- Local controls are provided on each module for set up and testing.
- All dimmers feature a diagnostic LED indicator to show dimmer status.
- A main breaker option is available on 6 and 9 module cabinets.
- 120 or 277 volt operation
- UL and cUL listed

**Introduction**

A21 dimming systems are designed to be flexible and can be tailored to the varying needs of architectural or entertainment applications. The system is based on three basic elements:

**Cabinet:**

Each cabinet is a pre-wired enclosure that contains the power modules, a control processor module, internal wiring and load, supply and control terminations. Three cabinet sizes are available for 3, 6 or 9 power modules. A main breaker option is available for 6 and 9 module cabinets. Systems may be ordered for 120 or 277 volt applications.

**Power Modules:**

Dual and quad power modules are available in a variety of ratings for incandescent/inductive (low voltage, neon and cold cathode), fluorescent and non-dim loads. Fluorescent modules are available for two and three wire ballasts to meet the needs of a wide range of projects.

A21 features standard SCR and quiet IGBT dimmer modules that are simple to install and configure. Local controls and bypass are supplied with all dimmer modules for set up and testing during installation. Power modules can be combined within a cabinet to match differing load sizes and types.

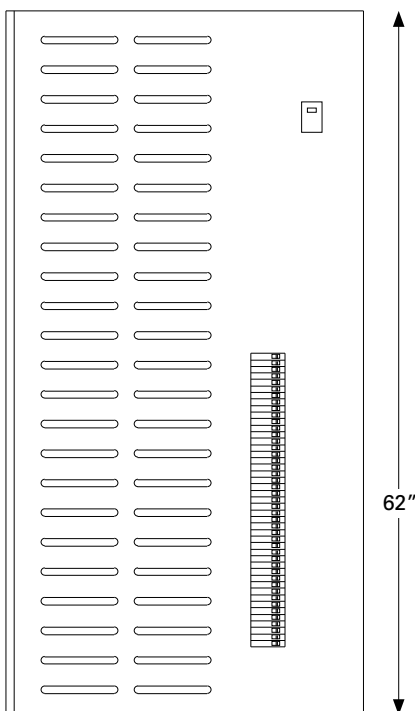
**Processor Module:**

The Processor Module provides the power and flexibility of the A21 system. Using digital processing techniques for accuracy and reliability, the processor provides the control signals for the power Modules. Control and data inputs include:

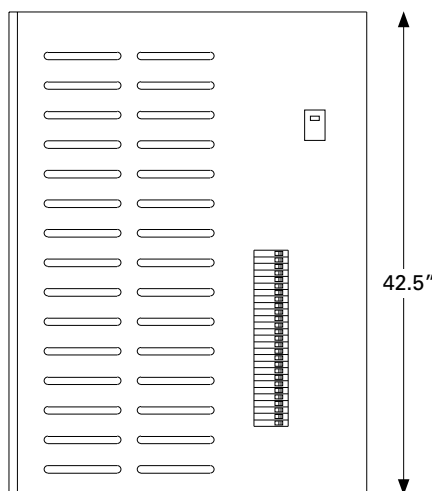
- DMX A
- DMX B
- Strand Architectural Control Station input
- Optional ShowNet Ethernet input

Now it is easier to build scalable systems for facilities of any size with inputs for architectural and theatrical controls.

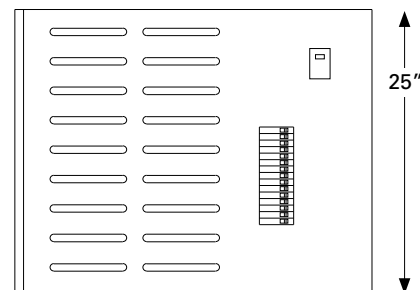
The simple to use keypad and intuitive on screen menu system makes A21 dimming systems easy to set up and configure. The system LCD display provides set up and status information.



A21 9 module cabinet



A21 6 module cabinet



A21 3 Module cabinet

Depth on all racks is 6.8"  
Width on all racks is 31.75"

**Ordering Information**

**Cat No Description**

| <b>Dimmer Cabinets, 120 Volts</b> |   |       |  |
|-----------------------------------|---|-------|--|
| 74121                             | A21 Cabinet, 3 Space, 120V                                | 74173 | Dual 2000 VA SCR Inductive Dimmer Module         |
| 74123                             | A21 Cabinet, 6 Space, 120V                                | 74174 | Dual 1800 VA (15A) PowerSpec HDF Dimmer Module   |
| 74125                             | A21 Cabinet, 6 Space, 120V with 3-pole Main Breaker       | 74175 | Dual 2400 VA PowerSpec HDF Dimmer Module, 120V   |
| 74128                             | A21 Cabinet, 6 Space, 120V with 3-pole Main Breaker Slave | 74176 | Dual 1800 VA Advance Mark 10 Dimmer Module, 120V |
| 74130                             | A21 Cabinet, 9 Space, 120V                                | 74177 | Dual 1500 VA Advance Mark 10 Dimmer Module, 120V |
| 74132                             | A21 Cabinet, 9 Space, 120V with 3-pole Main Breaker       | 74178 | Dual 1800 Watt Non-Dim Module, 120V              |
| 74135                             | A21 Cabinet, 9 Space, 120V with 3-pole Main Breaker Slave | 74179 | Dual 2400 Watt Non-Dim Module, 120V              |
|                                   |   | 74180 | Dual 3 Wire Fluorescent 2400 Watt                |
|                                   |   | 74190 | Quad 1000 Watt IGBT Dimmer Module, 120V          |
|                                   |   | 74191 | Quad 2000 Watt SCR Dimmer Module, 120V           |
|                                   |   | 74192 | Quad 1800 Watt SCR Dimmer Module, 120V           |
|                                   |   | 74193 | Quad 1500 VA Advance Mark 10 Dimmer Module, 120V |
|                                   |   | 74194 | Quad 2000 VA PowerSpec HDF Dimmer Module, 120V   |
| <b>Dimmer Modules, 120 Volt</b>   |   |       |  |
| 74170                             | Dual 1800 Watt IGBT Dimmer Module                         |       |  |
| 74171                             | Dual 2400 Watt IGBT Dimmer Module                         |       |  |
| 74172                             | Dual 1800 VA (15A) SCR Inductive Dimmer Module            |       |  |

| <b>Dimmer Cabinets, 277 Volt</b> |   | <b>Dimmer Modules 277 Volt</b> |  |
|----------------------------------|---|--------------------------------|--|
| 74221                            | A21 Cabinet, 3 Space, 277V                          | 74270                          | Dual SCR Inductive Dimmer Module, 277V           |
| 74223                            | A21 Cabinet, 6 Space, 277V                          | 74271                          | Dual PowerSpec HDF Dimmer Module, 277V           |
| 74225                            | A21 Cabinet, 6 Space, 277V with 3-pole Main Breaker | 74272                          | Dual Advance Mark 10 Dimmer Module, 277V         |
| 74230                            | A21 Cabinet, 9 Space, 277V                          | 74273                          | Dual Watt Non-Dim Module, 277V                   |
| 74232                            | A21 Cabinet, 9 Space, 277V with 3-pole Main Breaker | 74290                          | Quad 2000 Watt SCR Dimmer Module, 277V           |
|                                  |   | 74291                          | Quad 2000 VA PowerSpec HDF Dimmer Module, 277V   |
|                                  |   | 74292                          | Quad 2000 VA Advance Mark 10 Dimmer Module, 277V |
|                                  |   | 74293                          | Quad 2400 Watt Non-Dim Module, 277V              |

| <b>Accessories</b> |                              |
|--------------------|------------------------------|
| 74160              | Emergency Power Sense Module |
| 74161              | ShowNet Ethernet Option      |

**Strand Lighting, Inc.**  
 6603 Darin Way, Cypress, CA 90630, USA  
 Tel: +1 714 230 8200  
 Fax: +1 714 230 8173

**Strand Lighting Asia**  
 20/F Delta House, 3 On Yiu Street  
 Shatin, N.T. Hong Kong  
 Tel: + 852 2757 3033  
 Fax: + 852 2757 1767

