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PROFESSIONAL
Dimming/Switching

SERIES 193 SMARTDIM SYSTEM



Key Features

- 12A per channel dimming or zero voltage switching.
- Four preset dimming curves: linear, linear power, cold cathode and switching curves.
- Merged DMX512 and analogue 0-10V inputs.
- Local level controls.
- Preheat control for each channel.
- LCD bargraph display for channel monitor and status indication.
- C13 circuit breaker protection on all channels.
- Load present/good indicators on all channels.
- Phase connected indicators.
- Four programmable scenes.
- Scene cycling facility.
- Proportional fan cooling for quiet operation.
- Front panel mounted fuse holder for 'electronics' fuse for ease of access.

The latest addition to the Series 193 dimming pack range. The Smartdim combines the revised power section of the D1225 with a digital controller, as used in the Contractor series of wall mounted dimming packs. In addition the Smartdim has an enhanced range of features provided by a menu set up on a backlit 2 line 16 character liquid crystal display.

The Smartdim retains all the input and output options associated with the original D1225, but offers greater functionality through the addition of the following features:

- Choice of four dimming curves which can be set globally or per channel.
- Dimming curves provided are: Linear Dimming, Linear Power, Cold Cathode and Zero Voltage Switching.
- Preheat 0-25% which again can be set globally or per channel.
- Four scenes which can be set by DMX or analogue input capture or by using local controls.
- Local level controls (installer may enable/disable user access to this facility).
- Bargraph display for channel mimics.
- Internal jumper plug disables access to installer mode to prevent unauthorised access to set up menus.
- DMX and analogue 0 to 10v inputs are provided as standard with signals merged internally with those from local controls.
- Easy setting of the DMX address and default states.
- Four scene select inputs are activated by connecting to 0 volts e.g. via an external switch panel (this will also facilitate use of the closing contact system often found in alarm systems).
- Priority scene control, scene 1 has highest priority, scene 4 lowest, but any active scene input overrides all other control signals acting on the dimmer.
- Display contrast and backlight brightness adjustment always available to user.

Tel: +44 (0)23 9259 9410 Fax: +44 (0)23 9259 8723 e-mail: sales@anytronics.com

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SMARTDIM 12 Channel Dimming System

Smartdim enhances the features of the tried and tested 1225 dimming system by providing twelve channels of 12Amp/channel phase controlled triac dimming with circuit breaker protection in a sturdy rack mount unit which is 3U high. Channels are arranged into four-channel blocks so that each block may be supplied from a separate phase, or all blocks from the same phase of the mains supply. All input and output connections are made through the back of the unit, the same variety of output options as for the rest of the Series 193 range including hardwired connections, 2 or 4 Socapex sockets, 12 or 24 IEC sockets or 2 or 4 Harting sockets.

Smartdim combines DMX, analogue (0-10V), preheat and local level control inputs so that each channel is controlled by the highest input level present. Each channel can be configured for either for dimming with a linear, linear power (incandescent) or cold cathode (neon) dimming curve and individually set preheat level, or for zero voltage switching operation.

Smartdim also offers scene setting with four programmable scenes selected by four additional inputs. These +5V inputs can be pulled low (via switch or contact closure) to demand the corresponding preset scene. When a scene is demanded by these inputs, the scene will override all other inputs or settings and will be gently faded in. If all the scene inputs are pulled low, then Smartdim will cycle through the scenes in sequence, fading from one to the next.

All users will appreciate the robust construction, circuit breaker protection, the flexible and comprehensive input and control arrangements and the fully featured, easy to use menu system.

Installers will value the product reliability, and the ability to lockout user access to the main menu system, local level controls or DMX address change as appropriate, together with the facility of an installer's message which can be programmed with emergency contact details.

Hire companies will value the proven robustness and reliability of Anytronics products and will find features such as the one touch 'return to factory default settings' particularly useful in reducing hiring turnaround times.



Specifications

SUPPLY

200 - 240V ac 50/60Hz 3 Phase Star.
100 - 120V ac 50/60Hz 3 Phase Star.

INPUTS

DMX 512.
Analogue 0 to 10V.
Local level controls.
Scene select inputs.

OUTPUTS

12 x 12A outputs.
Rear panel options as for all Series 193 dimmers.

CIRCUIT PROTECTION

C13 circuit breaker protection and single pole circuit isolation on each channel.

OPERATION

Phase controlled dimming or zero voltage switching operation on each channel.
> 170µs current risetime.
Recommended minimum load per channel of 100W.

INDICATORS

Neon 'phase connected' indication.
Neon 'load good' indication per channel.
Full input level mimic via LCD display.
DMX address and data present shown on LCD display.
Active scene select input shown on LCD display.

DIMENSIONS

Front panel: 19" x 3U (483mm x 133mm).
Cutout: 445mm x 130mm.
Depth behind front panel including 40mm cable inlet gland (but not any sockets): 325mm.

NET WEIGHT

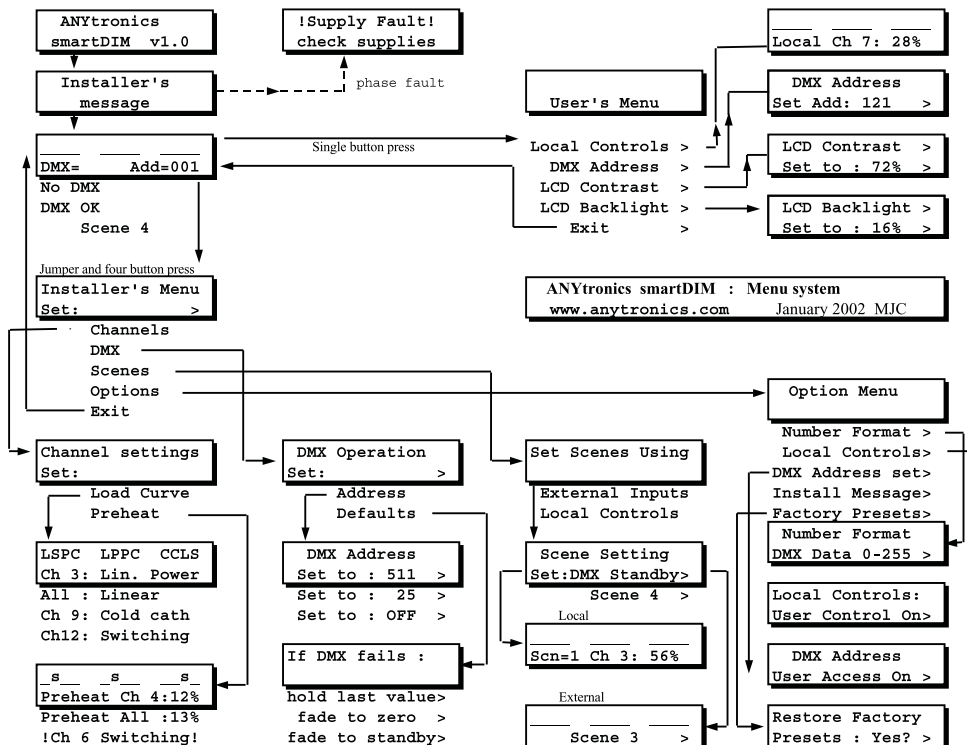
17.5kg.

RECOMMENDED AMBIENT TEMPERATURE RANGE

0 - 35°C.

COMPLIANCE

Complies with all current relevant parts of EN50081-1 for immunity, EN50081-2 for emissions and to EN60439 / EN60950 for safety.



Anytronics Limited
Units 5 & 6,
Hillside Industrial Estate,
London Road,
Horndean,
Hampshire, PO8 0BL