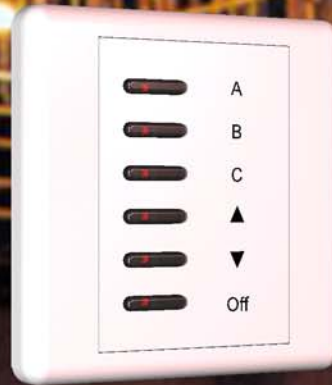
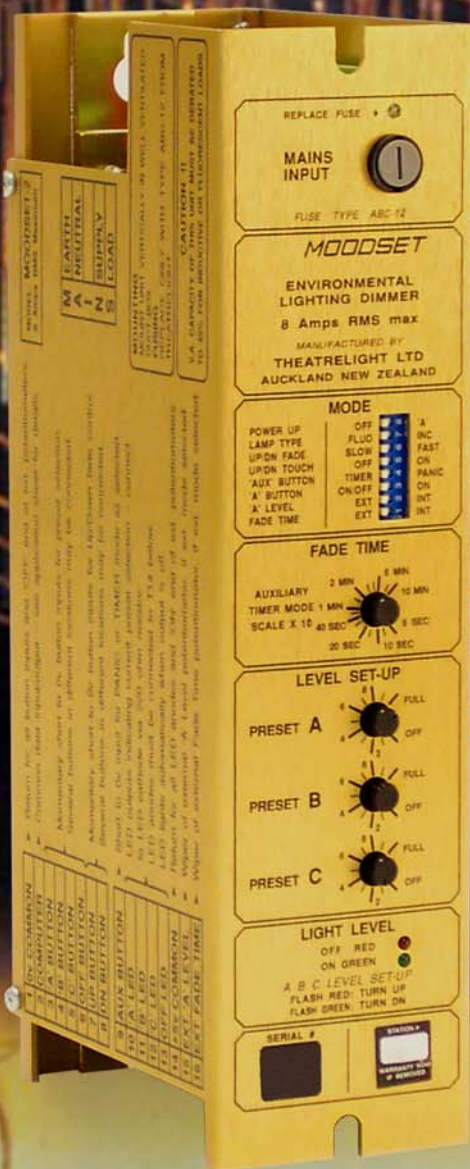


MOODSET

DIGITAL ENVIRONMENTAL
LIGHTING CONTROL



- Three preset levels
- Variable fade times from 5 sec to 10 min
- External level and fade time control
- Control of incandescent and inductive loads
- Security mode imitates occupied premises
- Alarm mode switches lights to full in an emergency
- Soft-start for extended lamp life
- Available in 8 Amp and 20 Amp modules

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THEATRELIGHT NZ
Manufacturer of Theatre Lighting Control Systems

FRONT PANEL DESCRIPTION

INDIVIDUAL MAINS SUPPLY FUSE (8 amp only): 8 Amp Moodset modules are fitted with a fuse to protect the unit in the event of load short-circuits and lamp failures. The LED indicator lights up if this fuse is blown

8 WAY MODE SWITCH: These eight switches may be set to configure the Moodset for different applications and personal preferences

POWER UP TO OFF OR 'A' LEVEL: The Moodset may be chosen to power up either to Off, or to the 'A' preset level

INCANDESCENT OR FLUORESCENT LAMP TYPES: Dimmer curves suitable for either Fluorescent or Incandescent lamps may be selected

SLOW OR FAST UP/DOWN FADE TIME: The fade time of the Up and Down buttons may be fixed at either five seconds or 10 seconds

SWITCH MODE ON UP/DOWN BUTTONS: The action of the Up and Down buttons may be set so that a fast touch results in an instant switch on or switch off of the lighting

TIMER OR PANIC MODE: The auxiliary button may be selected to either switch the lights to full when pressed - Panic Mode, or in Timer Mode, to turn the lights on for a time defined by the setting of the fade time trimmer

'A' BUTTON PUSH-ON, PUSH-OFF: The 'A' Preset button may be set to fade between Off and the 'A' level on alternate button presses, giving a Push-on, Push-off action

EXTERNAL OR INTERNAL 'A' LEVEL: The level for the 'A' Preset may be set either to the internal trimmer, or to an external fader or other controller such as a daylight sensor (5 or 10 Volt select)

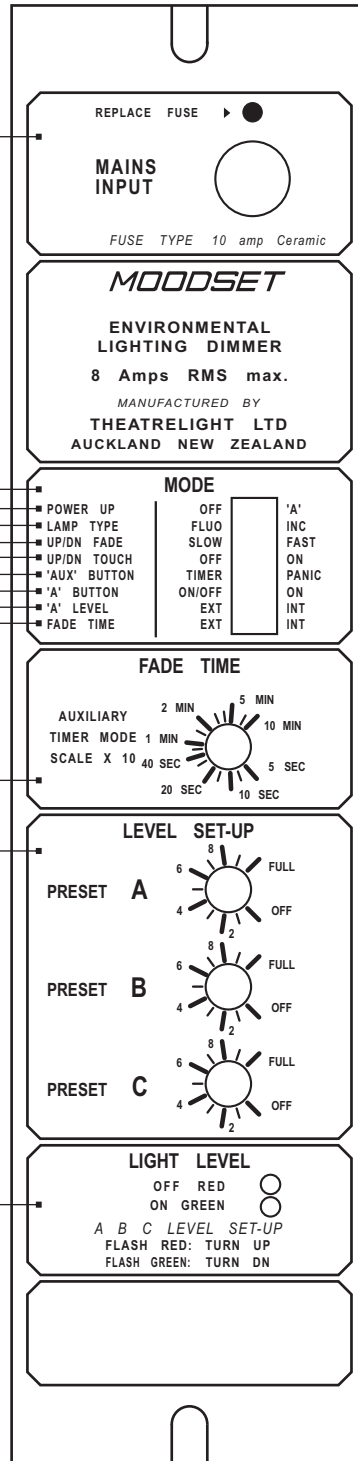
EXTERNAL OR INTERNAL FADE TIME: This switch enables applications where the fade time must be controlled from an external source

FADE TIME: The time for all fades between preset levels 'A', 'B' and 'C' may be varied in the range from 5 seconds to 10 minutes. When the auxiliary input is used in Timer mode, the time scale is multiplied by 10 to give a range of 50 seconds to 100 minutes. Custom time ranges are available

LEVEL SET-UP: These three trimmers set the lighting level for each of the three preset selections 'A', 'B' and 'C'. Each level may be set in the range from Off to Full

LIGHT LEVEL LEDs: These LEDs show the level of the controlled lighting. When the level is off, the red LED lights and when full-on, the green LED lights. They also flash during a fade or if the current lighting level has been modified by the Up or Down buttons, enabling accurate matching of the new level on the level set-up trimmers

AVAILABLE CONTROL ACCESSORIES: 6 button flushplate giving access to 'A', 'B' and 'C' preset levels, and Up and Down and Off functions. LEDs light up in appropriate button to display current state



MOODSET SPECIFICATIONS

CIRCUITRY: Quartz crystal timed microprocessor driving dual power SCRs through SCR opto-couplers for maximum reliability with transformer and fluorescent loads

MAINS INPUT: 220 ~ 240 VAC 50 Hz standard

LOAD: 8 Amps (Moodset 2) and 20 Amps (Moodset 5) maximum. For Fluorescent loads derate by 45%

MAXIMUM LOSSES: 2% of load

POWER CONSUMPTION: Less than 4 Watts at no load

FILTERING: Toroidal iron powder choke, 120usec linear rise-time

LOAD DC COMPONENT: Less than 1 volt

MAINS ISOLATION: 3500 volts peak isolation control circuitry to mains

BUTTON INPUTS: Short-to-earth operation, with built-in 2mA pull-up to internal 5 volt supply. Any number of buttons may be commoned to one input, and the inputs of different Moodset modules may be commoned to one or more buttons

ANALOGUE INPUTS: 0 - 5 VDC control signals, 50 K ohm input impedance for both the external 'A' Fader and Rate inputs. External 'A' also selectable as 0 to -10V

LED INDICATOR OUTPUTS: Pull-down to earth, current limited to 10 mA. Each output can drive up to 5 high efficiency LEDs

CONTROL WIRING: All control inputs and outputs may be wired using Extra Low Voltage cable such as telephone wire or Cat 5/6 cable

FUSE: Internal circuitry protected by 5 Amp HRC fuse, 20 x 5mm, eg Schurter SP5A. Maximum interrupting current 1500A. A number of Moodsets may be protected and isolated by a local MCB rated for the total load

DIMMING ACCURACY: 1024 steps between Off and Full

TIMING REPEATABILITY: Better than 1% for all fade timing

SECURITY TIMING: Random turn-on at least 5 minutes once every hour

MOUNTING: Mounting centres 60mm for Moodset 2 and 80mm for Moodset 5. Modules should be mounted vertically in a well ventilated cabinet

AMBIENT TEMPERATURE: 0-40 degrees Celsius non-condensing

DIMENSIONS & WEIGHT:

Moodset 2: 225mm high x 100mm deep x 60mm wide, weight 1.25 Kg

Moodset 5: 225mm high x 100mm deep x 80mm wide, weight 1.75 Kg

Flushplate: 86.5mm x 86.5mm square, 10mm deep

Your Local Distributor:

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