



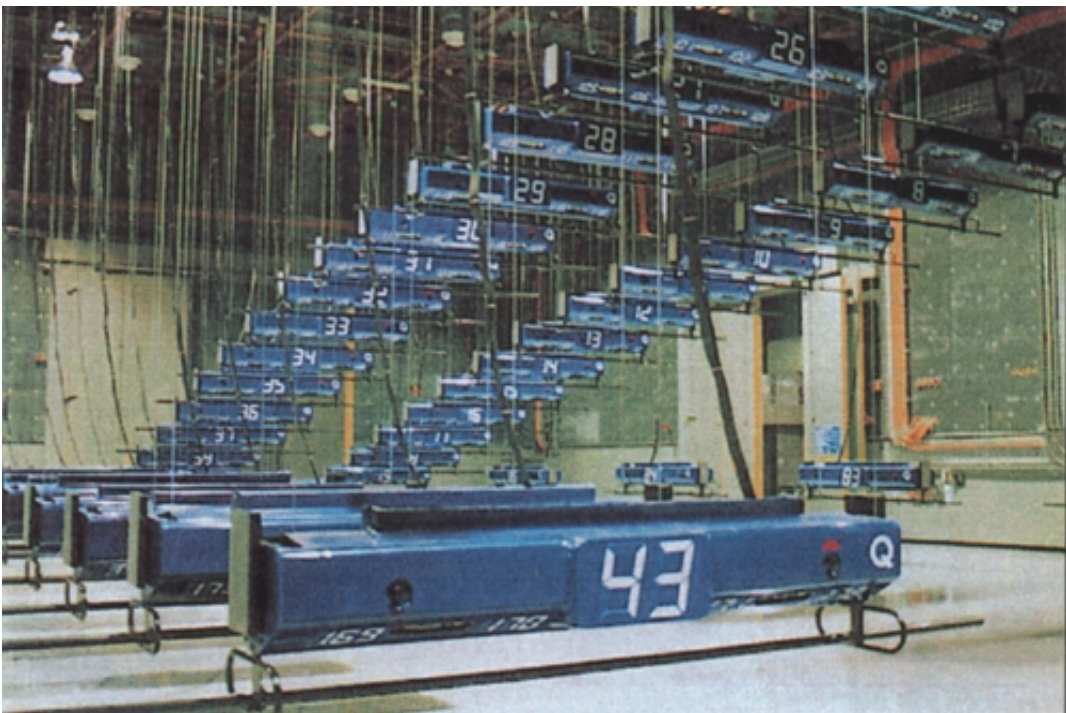
Q ENGINEERING

LIGHTING CONTROL
EQUIPMENT

Q ENGINEERING...



CREATING
THE
MOOD



CREATING
THE
SCENE

As Australia's longest standing manufacturer of commercial lighting control dimming systems, Q Engineering produce a comprehensive range of equipment to enable the configuration of systems to meet the majority of lighting control dimming applications. These can be as simple as a small meeting room or a small restaurant to as complex as a fully integrated dimming and switching system controlling all lighting in a building.

The extensive range of Amra digital control panels and Dimmax dimming and switching units can be linked together in any combination, by means of a standard CAT5 screened data cable. Using the specially developed Q-Net protocol the various elements intercommunicate and can be programmed, using simple programming devices, to meet the control needs of a lighting installation. This can provide any combination of:

- Pushbutton control of individual lighting circuits
- Pushbutton selection of programmable lighting moods comprising of many circuits
- Daylight linked control
- 24 hour time clock control
- Control from external devices such as building management or audio visual systems

The fully featured Dimmax dimming units are available to dim tungsten, low voltage, fluorescent or HID light sources or to switch non-dimmable lighting or other loads. As well as communicating via the Q-Net data bus, the dimmers can be controlled by a 0-10V signal for simple analogue control, such as via the available grid mounting rotary potentiometers. Versions are also available for DMX512 control as part of a stage or television lighting control system.

To complement the lighting control products, Q Engineering also manufacture a range of ancillary products such as Lampguard voltage regulators, to greatly increase lamp life, and a range of motorised hoists for TV and film studios

In support of the products, Q Engineering have an extensive network of experienced distributors, both in Australia and internationally, who can provide local advice and assistance with system configurations, as well as providing comprehensive service support for an installation.



AM 2636

FEATURES

- ✓ 6 lighting moods
- ✓ Master Raise & Lower
- ✓ Individual channel control
- ✓ Full mood programming
- ✓ PIN program security
- ✓ Panel enable/disable

APPLICATION

Areas where occasional program changes and/or channel control is required:

Hotels
Restaurants & Bars
Meeting Rooms
Auditoriums
Private Residences

channels

3 6

moods

6

control

Q-Net, rs 485

finish

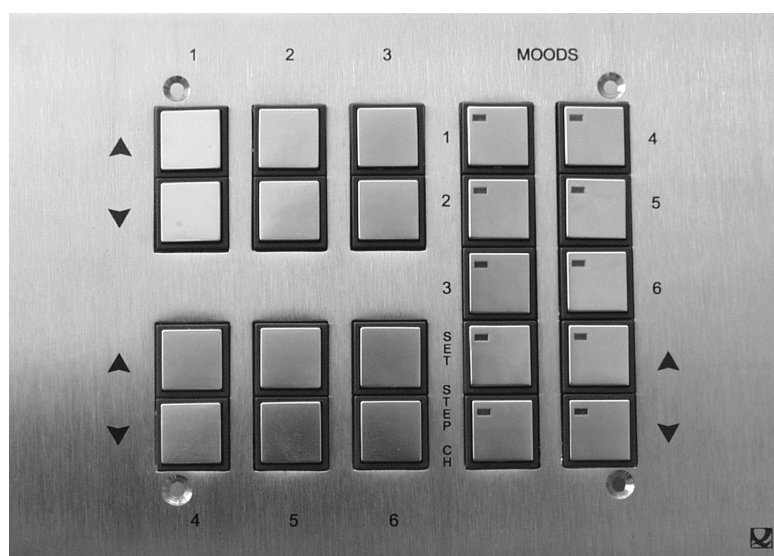
plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



AM 3636

FEATURES

- ✓ 6 lighting moods
- ✓ Master Raise & Lower
- ✓ Individual channel control
- ✓ Full mood programming
- ✓ PIN program security
- ✓ Panel enable/disable

APPLICATION

Areas where regular program changes and/or easy channel control is required e.g.:

Conference Rooms
Function Rooms
Display Areas

channels

3 6

moods

6

control

Q-Net, rs485

finish

plastic or s/s

dimensions

165x120x50 mm

supply

10 v dc



AM 2636P

FEATURES

- ✓ Portable programmer
- ✓ Programs up to 6 moods
- ✓ 36 channel control
- ✓ Fade time programming
- ✓ PIN program security
- ✓ Programs any of 12 areas
- ✓ Plugs into dimmers or remote sockets

APPLICATION

Any area where occasional program changes are required and simple mood selection panels are used.

channels

36

moods

6

control

Q-Net, rs 485

finish

plastic

dimensions

155x130x50mm

supply

10 v dc

accessories

AM RJ panel



AM 5100

FEATURES

- ✓ Portable programmer
- ✓ Program up to 24 moods
- ✓ 55 channel control
- ✓ Fade time programming
- ✓ Time clock mood selection
- ✓ Sequence programming
- ✓ Programs any of 12 areas
- ✓ Plugs into dimmers or remote sockets

APPLICATION

Any area where complex program changes or real-time mood selections are required to be user programmed

channels

55

moods

24

control

Q-Net, rs 485

finish

plastic

dimensions

190x140x50mm

supply

10 v dc

weight

0.5 kg

accessories

AM RJ panel

AMRA ROOM LINKING



AM 26L6

FEATURES

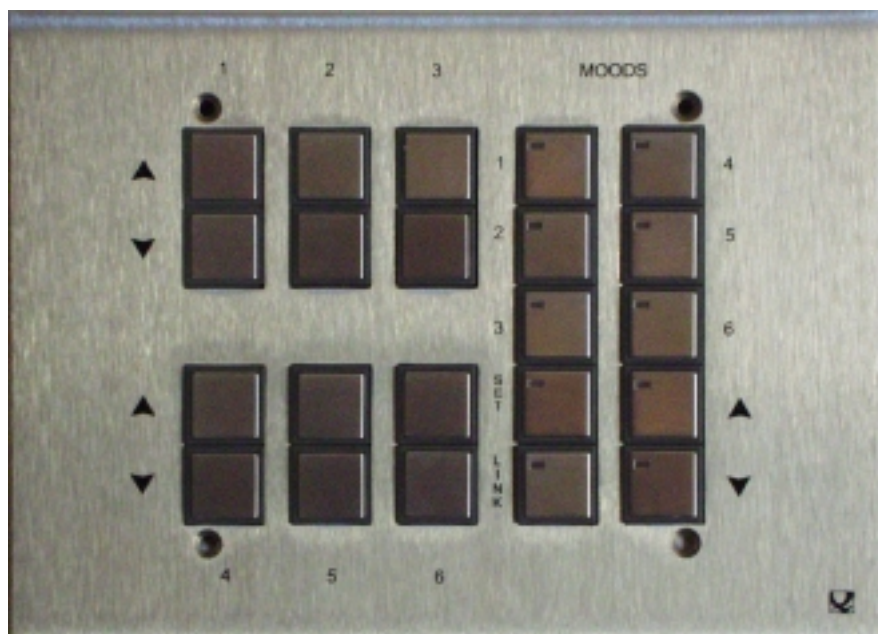
- ✓ 6 lighting moods
- ✓ Master Raise & Lower
- ✓ Room linking from panel
- ✓ Full mood programming
- ✓ PIN program security
- ✓ Panel enable/disable

APPLICATION

Areas with operable partitions where user control of room linking and/or occasional program changes are required:

Meeting Rooms
Function Rooms

rooms	channels	moods	control	finish	dimensions	supply
6	6	6	Q-Net, rs485	plastic or s/s	75x120x50 mm	10 v dc



AM 36L6

FEATURES

- ✓ 6 lighting moods
- ✓ Master Raise & Lower
- ✓ Individual channel control
- ✓ Room linking from panel
- ✓ Full mood programming
- ✓ PIN program security
- ✓ Panel enable/disable


APPLICATION

Areas with operable partitions where user control of room linking, channel levels and/or occasional program changes are required:

Conference Rooms
Function Rooms

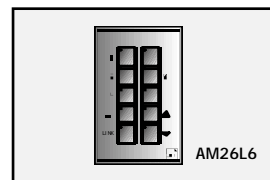
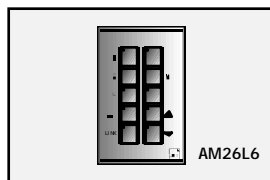
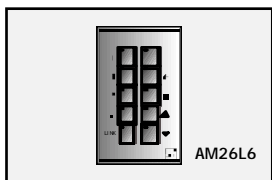
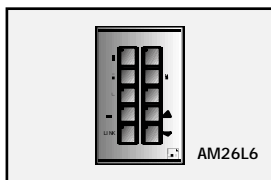
rooms	channels	moods	control	finish	dimensions	supply
6	6	6	Q-Net, rs485	plastic or s/s	165x120x50 mm	10 v dc

AMRA ROOM LINKING

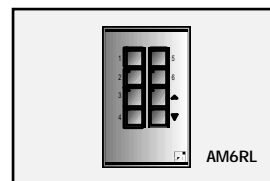
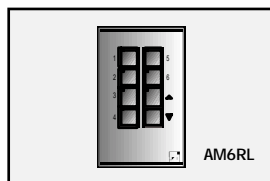
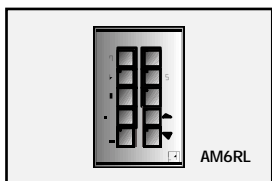
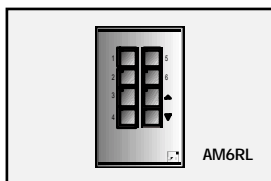
	AM link									
	FEATURES									
	<ul style="list-style-type: none"> ✓ Provides room-link function to any Amra panel ✓ Key operation to prevent unauthorised use ✓ Can be used to override automatic partition sensing ✓ Multiple switch versions available to order, with special legends and/or geographic layout of area 									
<th>APPLICATION</th>			APPLICATION							
<p>Areas where manual room linking is required with any Amra push button panel</p>										
<table border="1"> <tr> <th>control</th> <th>finish</th> <th>dimensions</th> <th>supply</th> </tr> <tr> <td>10v</td> <td>plastic or s/s</td> <td>75x120x50 mm</td> <td>10 v dc</td> </tr> </table>	control	finish	dimensions	supply	10v	plastic or s/s	75x120x50 mm	10 v dc		
control	finish	dimensions	supply							
10v	plastic or s/s	75x120x50 mm	10 v dc							

ROOM LINKING METHODS

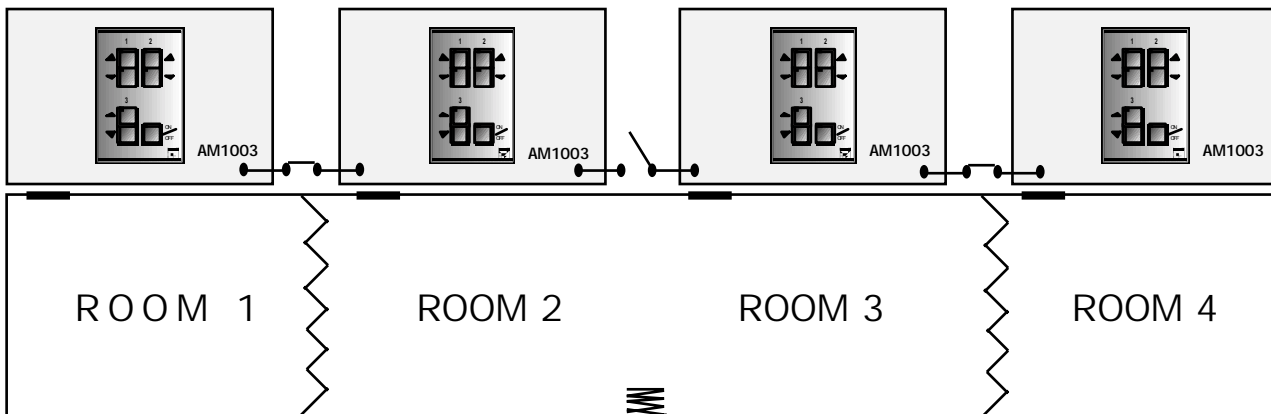
- 1: The use of linking panels providing a LINK function such as the AM 26L6, AM36L6 opposite.



- 2: The use of **any** Amra panel with the use of the AMLINK switch above.



- 3: The use of **any** Amra panel with partition closure sensing switches.
This provides an automatic LINKING function whenever the associated room partition is opened.



AMRA CENTRAL

The Amra digital controllers and Dimmax dimmers units have been designed to allow complete systems to be easily set up and programmed by the user, without the need for any external device or programming computer. They are connected together as a Zone, via Q Net, which is an RS485 data bus, that connects the devices together in a "daisy chain", using a standard CAT5 FTP screened data cable. A single Zone can be as simple as a single control panel connected to a single dimmer rack or up to a combination of 32 control panels and dimmer racks all interconnected.

Any Dimmax dimmer circuit within a Zone can be given a control address comprising of one of up to 12 Sector numbers (separate control areas or rooms) and one of up to 55 Control Channel numbers, within each Sector. Several dimmers can be given the same address if needed to be controlled together. The Amra control panels can then be addressed with any of the 12 Sector numbers, thus designating which dimmers they will control.

Once addressed, the dimmers can be programmed, using any of the programming panels, into a series of lighting moods, comprising of each of the different control channels set at any lighting level. A fade time can also be programmed into the mood, to provide a smooth transition to that mood when it is selected. The Amra panels, with facilities for individual channel control, can also be used to provide direct individual control of each dimmer channel, as designated within that Sector.

For master control of several Sectors (or areas) simultaneously, the Amra panels can be given a Sector master address, as shown in the diagram on the right. The "Room Linking" Amra panels have a function that allows them to control several Sectors simultaneously (e.g. when a movable partition is opened), with each panel being linked to also control the next Sector up, when the linking function is instigated.

For large systems, up to 31 Zones can be combined, using the AMZG Zone Gate, thus allowing control of up to 20,000 separate control channels from a single push button.

The AMRA5000 computer software program is available, for applications where programming via a computer is preferred.

AM RS232



Interfaces between
RS232 computer output
and system Q-Net.

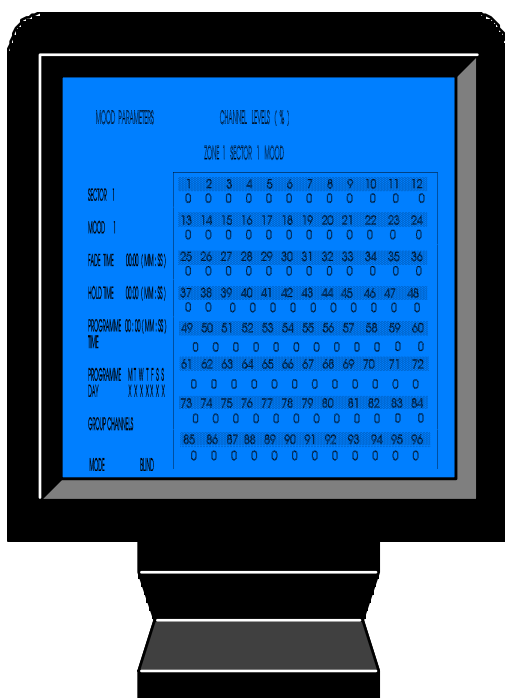
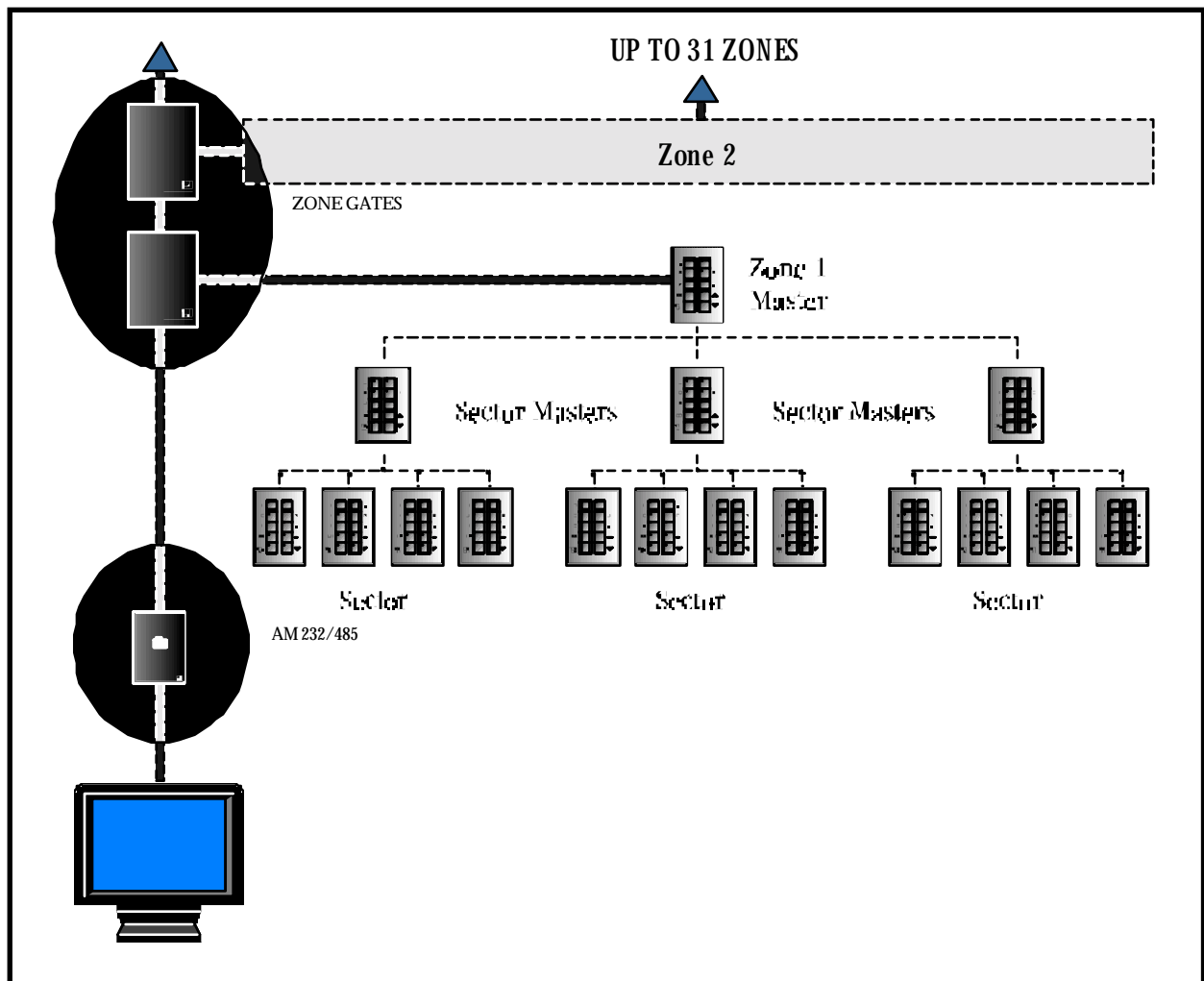
AM ZONE GATE



Segregates
zones of
lighting

AMRA CENTRAL

CENTRALISED LIGHTING CONTROL SOFTWARE



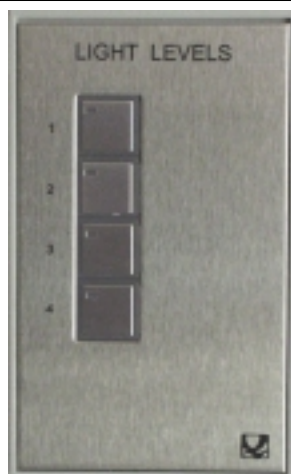
The Amra Central software satisfies the most demanding lighting design requirement.

It is for large or complex lighting installations.

Using the Q Net, up to 22,000 Dimmax dimmers can be controlled and operated via any systems PC.

The system lighting can be programmed from each individual Amra area controller and loaded onto the central management computer, saved on disk for permanent storage and controlled if required from the management office.

Alternatively the Amra Central can provide priority lighting control and programming from one central point of all areas whether they have local control stations or not.



AM 4

FEATURES

- ✓ 4 lighting moods
- ✓ Simple operation
- ✓ Programming via external devices

APPLICATION

Areas requiring simple repeat selection of predetermined lighting moods:

Hotels, Restaurants & Bars, Offices, Auditoriums, Museums & Galleries, Hospitals,

moods

4

control

Q-Net, rs 485

finish

plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



AM 4RL

FEATURES

- ✓ 4 lighting moods
- ✓ Master Raise & Lower of selected mood
- ✓ Simple operation
- ✓ Programming via external devices

APPLICATION

Areas requiring simple mood selection and some user adjustment:

Hotels, Restaurants & Bars, Offices, Small Meeting Rooms, Auditoriums, Hospitals, Private Residences

moods

4

control

Q-Net, rs 485

finish

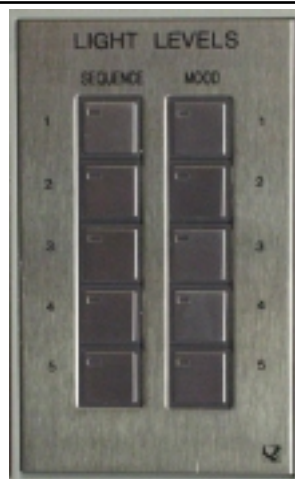
plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



AM SEQ

FEATURES

- ✓ 5 fixed lighting moods and 5 sequences
- ✓ Sequences can be multiple steps combining of up to 24 moods
- ✓ Simple operation
- ✓ Programming via external devices

APPLICATION

Areas requiring simple moods and sequence selection
Display Areas, Lighting Features, Neon Signs

moods

5

sequences

5

control

Q-Net, rs 485

finish

plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



AM 6

FEATURES

- ✓ 6 lighting moods
- ✓ Simple operation
- ✓ Programming via external devices

APPLICATION

Areas requiring simple repeat selection of predetermined lighting moods:

Hotels, Restaurants & Bars, Reception Areas, Auditoriums, Hospitals

moods

6

control

Q-Net, rs 485

finish

plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



AM 6RL

FEATURES

- ✓ 6 lighting moods
- ✓ Master Raise & Lower of selected mood
- ✓ Simple operation
- ✓ Programming via external devices

APPLICATION

Areas requiring simple mood selection and some user adjustment:

Hotels, Restaurants & Bars, Offices, Meeting Rooms, Auditoriums, Hospitals, Private Residences

moods

6

control

Q-Net, rs 485

finish

plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



SPECIALS

FEATURES

- ✓ Special button combinations (up to 10 on a single gang plate or more on larger plates)
- ✓ Special panel finishes
- ✓ Special labelling (either laser etched or silk screened)
- ✓ Programming via external devices

APPLICATION

Applications not covered by standard panels.
Contact Q Automation for advice.

moods

various

control

Q-Net, rs 485

finish

various


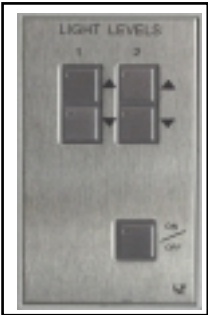
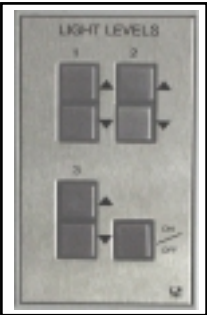
dimensions

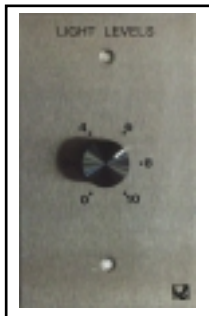


to suit


supply

10 v dc

SPECIAL FUNCTION CONTROLS

AM1001 1 CH	AM1002 2 CH	AM1003 3 CH	AM1000
			FEATURES <ul style="list-style-type: none"> ✓ Individual channel control ✓ Master On/Off ✓ Control from several locations APPLICATION <p>Areas requiring individual circuit control (especially with operable partition walls)</p> <p>Offices, Meeting Rooms,</p>
moods 1 + Off	control Q-Net, rs 485	finish plastic or s/s	dimensions 75x120x50 mm
		supply 10 v dc	

RC1 1 CH Plate	RC1CLI 1 CH Clipsal	RC1HPM 1 CH HPM	Rotary Controls
			FEATURES <ul style="list-style-type: none"> ✓ Individual channel control ✓ Can be combined with separate On/Off switching or master control APPLICATION <p>Areas requiring simple individual circuit control</p> <p>Offices, Meeting Rooms, Bars</p>
moods 0	control Analogue	finish s/s or as grid	dimensions various
		supply 10 v dc	

AM lux Photocell	AM LUX
	FEATURES <ul style="list-style-type: none"> ✓ Mood selection linked to daylight conditions ✓ True lux readout APPLICATION <p>Areas requiring automatic control of artificial lighting according to ambient daylight</p> <p>Areas with high daylight contribution, exterior lighting</p>
moods 24	control Q-Net, rs 485
finish plastic or s/s	dimensions 195x135x75 mm
supply 10 v dc	

SPECIAL FUNCTION CONTROLS



AM2

FEATURES

- ✓ Simple On/Off Mood selection

APPLICATION

Used as a slave to other Amra mood selection panels for access control at entrances

control

Q-Net, rs 485

finish

plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc

AM1RJ

RJ connector



AM1RP

XLR connector



AM1RJ/AM1RP

FEATURES

- ✓ Remote connection for portable programming devices

APPLICATION

Used for connecting portable programming devices within view of the lighting to be programmed.

control

Q-Net, rs 485

finish

plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



AM PANIC

FEATURES

- ✓ Priority selection of full lighting
- ✓ Illuminated switch shows selection made

APPLICATION

Areas of public entertainment

control

10v dc

finish

plastic or s/s

dimensions

75x120x50 mm

supply

10 v dc



AMINT

FEATURES

- ✓ Up to 10 lighting moods selected by remote switch closures
- ✓ Can be combined in the same panel with any Amra push button arrangement (e.g. AM6/INT, AM2636/INT)

APPLICATION

Mood selection via external systems (e.g. BMS, fire alarm etc.)

control

Q-Net, rs 485

finish

s/s

dimensions

120x120x50 mm

supply

10 v dc

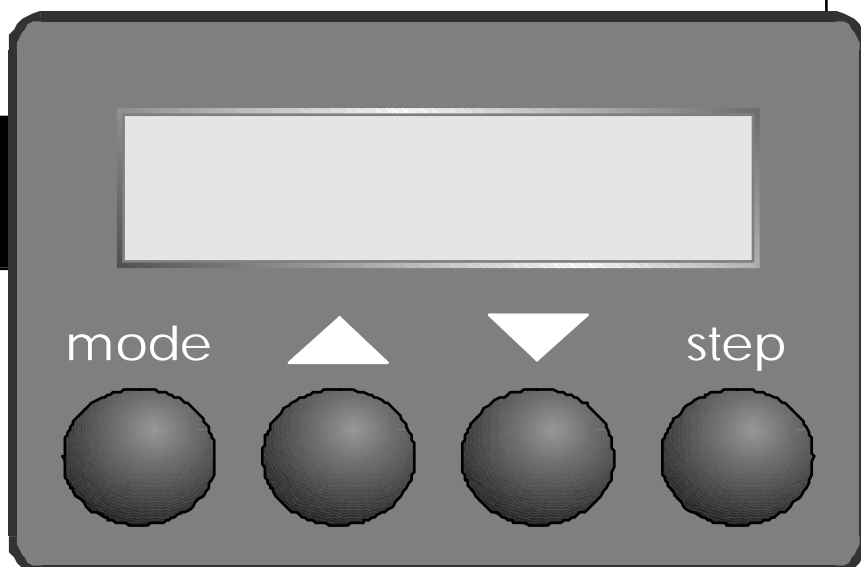
FEATURES

All Dimmax dimmer units provide the following features:

- ✓ An LCD display with command pushbuttons accessing various mode functions (see Display Modes below)
- ✓ Circuit breaker protection on each circuit.
- ✓ Soft start and voltage regulation of 1% to a 10% swing in the mains.
- ✓ Auto phase sensing.
- ✓ Immunity to transient and mains signal pulsing.
- ✓ RF suppression to AS1044 .
- ✓ The control of filament lamps stepless and smooth from 98% of the mains voltage down to zero.
- ✓ Outputs suitable for dimming mains or low voltage tungsten loads, neon or set to non-dim, for switched-only loads.
- ✓ HF versions have air-gap power switching and control outputs suitable for 1-10V fluorescent dimming to IEC929
- ✓ Heat dissipation using external convection heat sinks without the use of maintenance prone fans.
- ✓ Control by Q Net, RS485 and 0-10v analog DC. Available with DMX512, to special order, for stage lighting applications.
- ✓ Output light levels selectable at the dimmer rack with facility to set backup mood independent of remote panels
- ✓ Built in real time clock for automatic mood selection and halogen cycles.
- ✓ Range of selectable lamp response curves including a non-dim switching function.
- ✓ Panic input to force dimmers to full output.
- ✓ Programming socket.

DISPLAY MODES

- MODE 1** Receiving and information mode.
- MODE 2** Display of control channel % levels.
- MODE 3** Backup mode. Direct control of outputs.
- MODE 4** Special use Phase assignment
- MODE 5** Dimming curve assignment
- MODE 6** 24 hour real-time clock set-up
- MODE 7** Addressing of control channels to panels and dimmers.
- MODE 8** Top and bottom dimmed circuit limits
- MODE 9** Testing of system integrity.





DM 1250

FEATURES

- ✓ 3-phase supply
- ✓ 12 x 20A dimmed outputs
- ✓ plug-in power wings

circuits

12 x dim

outputs

12 x 20A

supply

240 v, 80A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

750 x 470 x 200 mm

weight

45 kg



DM 650

FEATURES

- ✓ 3-phase supply
- ✓ 6 x 20A dimmed outputs
- ✓ plug-in power wings

circuits

6 x dim

outputs

6 x 20A

supply

240 v, 40A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

370 x 470 x 200 mm

weight

25 kg



DM 1225

FEATURES

- ✓ 3-phase supply
- ✓ 12 x 10A dimmed outputs
- ✓ plug-in power wings

circuits

12 x dim

outputs

12 x 10A

supply

240 v, 40A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

370 x 470 x 200 mm

weight

25 kg



DM 625

FEATURES

- ✓ 3-phase or single phase supply
- ✓ 6 x 10A dimmed outputs

circuits

6 x dim

outputs

6 x 10A

supply

240 v, 20A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

628x400x100 mm

weight

16 kg



DM 425

FEATURES

- ✓ single phase supply
- ✓ 4 x 10A dimmed outputs

circuits

6 x dim

outputs

4 x 10A

supply

240 v, 40A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

441x400x100 mm

weight

12 kg



DM 225

FEATURES

- ✓ single phase supply
- ✓ 2 x 10A dimmed outputs

circuits

2 x dim

outputs

2 x 10A

supply

240 v, 20A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

282x400x100 mm

weight

8 kg



DM 150

FEATURES

- ✓ single phase supply
- ✓ 1 x 20A dimmed output

circuits

1 x dim

outputs

1 x 20A

supply

240 v, 20A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

282x400x100 mm

weight

8 kg



DM 1212

FEATURES

- ✓ 3-phase or single phase supply
- ✓ 12 x 5A dimmed outputs

circuits

12 x dim

power

12 x 5A

supply

240 v, 20A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

628x400x100 mm

weight

15 kg



DM 612

FEATURES

- ✓ single phase supply
- ✓ 6 x 5A dimmed outputs

circuits

6 x dim

power/

6 x 5A

supply

240 v, 32A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

343x400x100 mm

weight

8 kg



DM 412

FEATURES

- ✓ single phase supply
- ✓ 4 x 5A dimmed outputs

circuits

4 x dim

outputs

4 x 5A

supply

240 v, 20A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

318x400x100 mm

weight

8 kg



DM HF12

FEATURES

- ✓ 3-phase or single phase supply
- ✓ 12 x 10A relay switched outputs
- ✓ 12 x 0-10V control outputs for dimmable ballasts

circuits

12 x HF

outputs

12 x 10A

supply

240 v, 40A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

628x400x100 mm

weight

13 kg



DM HF6

FEATURES

- ✓ 3-phase or single phase supply
- ✓ 6 x 10A relay switched outputs
- ✓ 6 x 0-10V control outputs for dimmable ballasts

circuits

6 x HF

outputs

6 x 10A

supply

240 v, 20A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

343x400x100 mm

weight

8 kg



DM HF4

FEATURES

- ✓ single phase supply
- ✓ 4 x 10A relay switched outputs
- ✓ 4 x 0-10V control outputs for dimmable ballasts

circuits

4 x HF

outputs

4 x 10A

supply

240 v, 40A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

318x400x100 mm

weight

8 kg



DM 612HF6

FEATURES

- ✓ 3-phase or single phase supply
- ✓ 6 x 5A dimmed outputs
- ✓ 6 x 10A relay switched outputs
- ✓ 6 x 0-10V control outputs for dimmable ballasts

circuits

6 x dim, 6 x HF

outputs

6 x 5A, 6 x 10A

supply

240 v, 32A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

628x400x100 mm

weight

14 kg



DM 412HF2

FEATURES

- ✓ single phase supply
- ✓ 4 x 5A dimmed outputs
- ✓ 2 x 10A relay switched outputs
- ✓ 2 x 0-10V control outputs for dimmable ballasts

circuits

4 x dim, 2 x HF

outputs

4 x 5A, 2 x 10A

supply

240 v, 40A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

343 x400x150 mm

weight

9 kg



DM 425HF2

FEATURES

- ✓ 3-phase or single phase supply
- ✓ 4 x 10A dimmed outputs
- ✓ 2 x 10A relay switched outputs
- ✓ 2 x 0-10V control outputs for dimmable ballasts

circuits

4 x dim, 2 x HF

outputs

6 x 10A

supply

240 v, 20A 3 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

441x400x100 mm

weight

12 kg



DM 225HF2

FEATURES

- ✓ single phase supply
- ✓ 2 x 10A dimmed outputs
- ✓ 2 x 10A relay switched outputs
- ✓ 2 x 0-10V control outputs for dimmable ballasts

circuits

2 x dim, 2 x HF

outputs

4 x 10A

supply

240 v, 40A 1 ph, 50/60hz

control

Q-Net, dmx512, 10 v

dimensions

343x400x100 mm

weight

8 kg



DM CONTROL

FEATURES

- ✓ 12 x 0-10V control outputs for analogue devices

circuits

12

outputs

12 x 0-10V

supply

240 v, 6A 1 ph, 50/60hz

control

Q-Net, dmx512

dimensions

220x285x80 mm

weight

4 kg

ENERGY MANAGEMENT CONTROLLERS



HIDIM

FEATURES

- ✓ HID lamp dimming
- ✓ controls up to 6 x 400w HID lamps
- ✓ single channel 0-10V analogue control

circuits

6 x HID

power/cct

6 x 400w HID

supply

240 v, 32A 1 ph, 50/60hz

control

0-10V

dimensions

300x300x80 mm

weight

4 kg



POWERTECH

FEATURES

- ✓ high power dimming
- ✓ single channel 0-10V analogue control
- ✓ 10A and 20A versions with MCB protection

circuits

1

outputs

10A or 20A

supply

240 v, 10 or 20 amp

control

10 v

dimensions

240 x 190 x 100mm

weight

2.5 kg



HF1

FEATURES

- ✓ 0-10V fluorescent dimming
- ✓ integral power switching
- ✓ single channel 0-10V analogue control

circuits

1 x HF

outputs

1 x 10A

supply

240 v, 10A 1 ph, 50/60hz

control

0-10V

dimensions

345x55x65 mm

weight

0.6 kg



LAMPGUARD

FEATURES

- ✓ output voltage regulation to within 1%
- ✓ output selectable between 200V & 240V
- ✓ soft start at switch-on
- ✓ greatly increases lamp life
- ✓ 5A, 10A and 20A versions with MCB protection

circuits

1

outputs

5A, 10A or 20A

supply

240 v, 20A 1 ph, 50/60hz

control

none

dimensions

205 x 125 x 80mm

weight

1 to 2.1 kg

Q HOIST

The Q Hoist 250 is a well proven Studio lighting Hoist.

It is available as a Self-Climbing unit or arranged on a Fixed grid system.

Control options vary from basic analog switch pushbutton Studio panels to level sensing and systems PC control with memorised hoist positions.

Dimmers offered with the Q Hoist are the Dimmax Macra STUDIO dimmers, mounted remote to the Hoist, or the Dimmax TED, on-board silent, IGBT dimmers which make the hoist totally self contained.

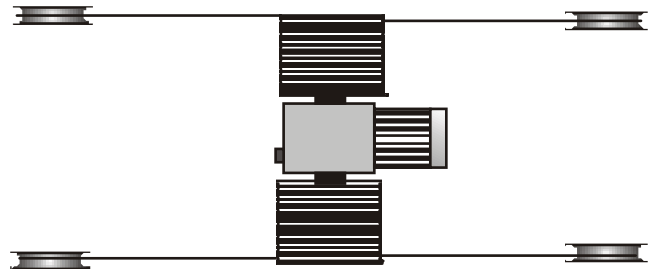
FEATURES

The Double start, dual Helical Grooved Drums with four wire support.

The main mechanical design feature that separates the Q Hoist from almost all other designs is the safety feature of the two double start Helical grooved drums using four independent supporting wires.

The four wires each have their own groove along the drums and so suffer no crushing as in pile winding systems. The double start ensures no out of balance forces acting on the drums.

This ensures long term reliability and safety.



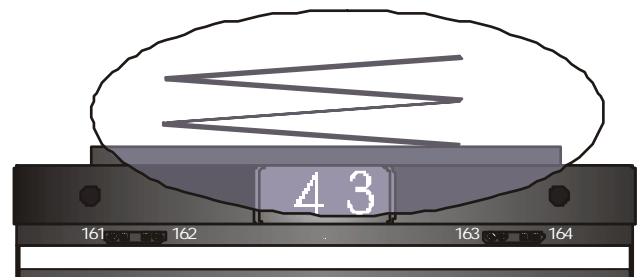
The motor and gearbox.

The motor used is a SEW, manufactured in Germany. The worm gear ratio ensures that even without the automatic break, the weight is fully supported. The combination of gear box and break ensures precision stopping without shaking the lamps.



The Fibreglass Cover

The moulded fibreglass cover provides protection of electrical and mechanical parts and allows easy access for servicing.

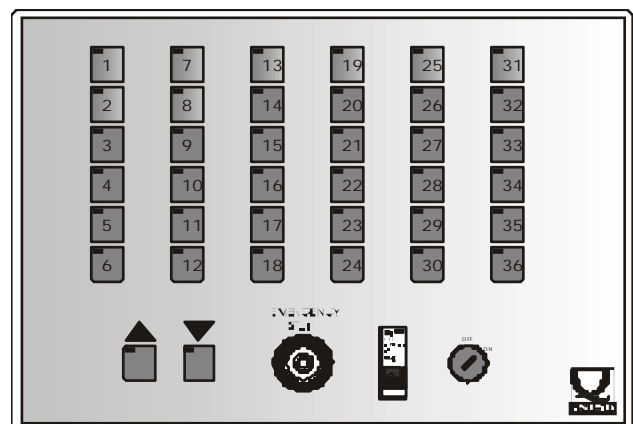


The Flat Cable Collector without moving parts

The flat cable is collected in a specially designed trough and requires no moving parts, that in time, can be the cause of problems.

Analog or Analog/Digital control

The control system may be analog only, or analog/digital where recording of heights and control from a systems PC is desirable. Both the analog and analog/digital control panel provides control for individual or group Hoist selection. The analog/digital Hoist provides photocell positioning detection that allows the recording of all levels for control from a systems PC.

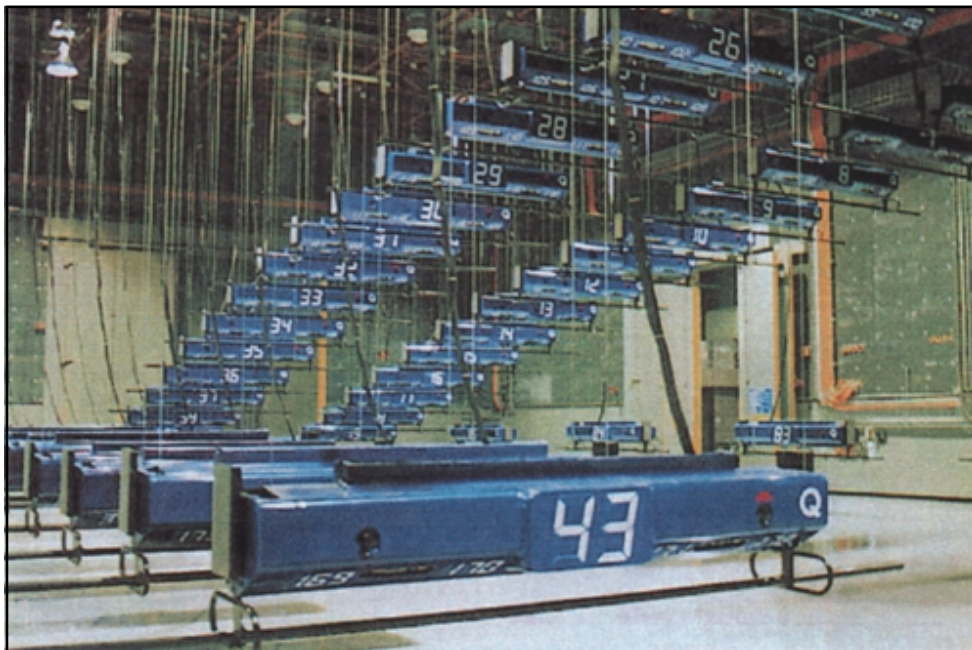


Q HOIST



Q HOIST

Remote Dimmers
150kgs & 250kg models
Grid mounted
Self climbing
Digital and Analogue
Control
DMX On board



Q HOIST.TED

On board Dimmers
2 x 10amp
2 x 20 amp
IGBT Trailing Edge
Silent in operation
Supply 3 phase 25amps
2 x DMX loops
Totally self contained
Reduced wiring costs



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