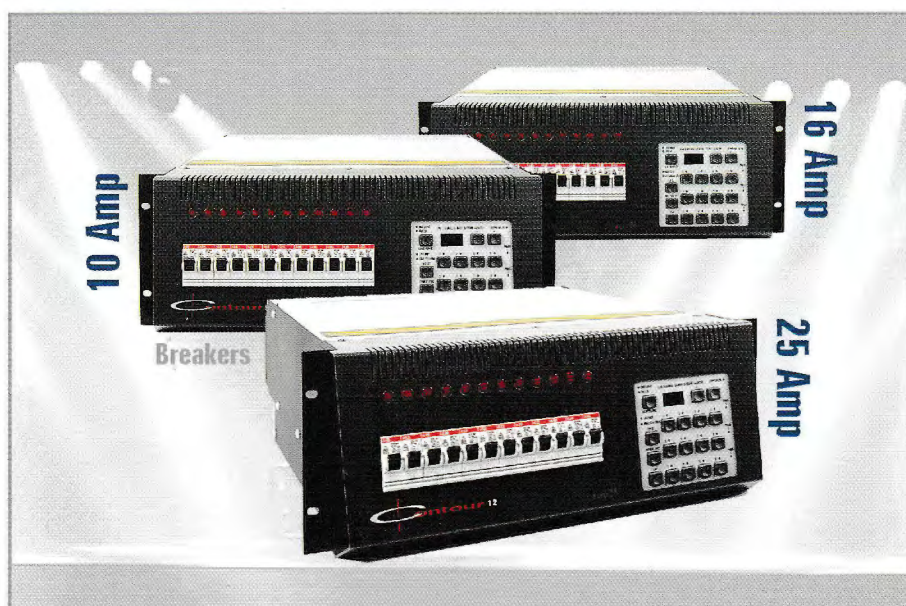




The Power of Digital Dimming

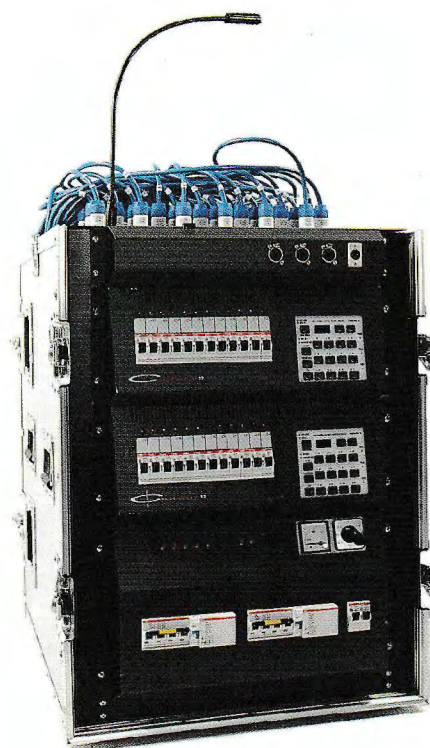


10, 16 or 25 Amps

the

PROFESSIONAL *dimmer*

- 12 CHANNELS - 10, 16 OR 25 AMPS
- OUTSTANDING SERVICEABILITY
- AUTOSENSING DMX & ANALOGUE
- ONE BUTTON, ONE FUNCTION
- MAINS FAULT TOLERANT
- 100% DUTY CYCLE



Touring System

A complete digital dimming system designed to meet the needs of the professional user. These easy to use, high quality dimmers are suitable for installations, live and touring events and TV applications.

With proven reliability and built in mains tolerance, you can be assured that the Contour 12 will not let you down - wherever you are.

Contour 12 Range

zero 88

the CONTOUR dimmer

► Power Capacity

- 12 channels - 10, 16 or 25 Amps.
- 100% duty cycle.
- Automatic voltage sensing 90-260v.
- Automatic frequency tracking 45-65Hz.
- 3 phase operation.
- Tolerant of mains supply faults.
- Circuit breakers isolating both phase and neutral.

► Monitoring

- Phase monitoring LEDs.
- Dual output level & load indicators.
- Single button functions - no menus.

► Programming and Test

- Programmable channel attributes.
- Variable level channel test.
- Built in test and diagnostic facilities.

► Easy to Use & Service

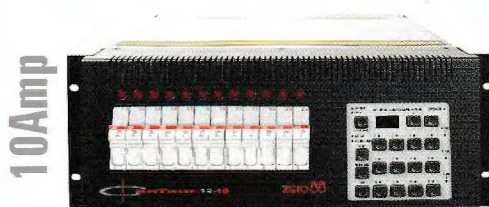
- DMX and 0±10v (autosensing).
- Built in switchable DMX line termination.
- DMX input fully isolated with status indicators.

The onTour 12

► The Contour 12 - Digital Dimmer ◀

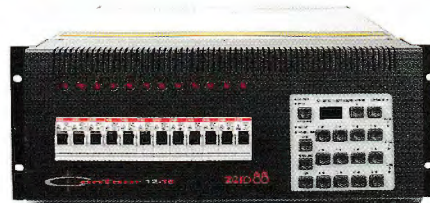
The serious touring and installation markets demand that dimmers are quick and easy to install, easy to set-up and use, and above all very reliable.

Using the latest techniques, and designed in consultation with some of Europe's leading professional users the Contour 12 represents the very best in digital dimming technology.

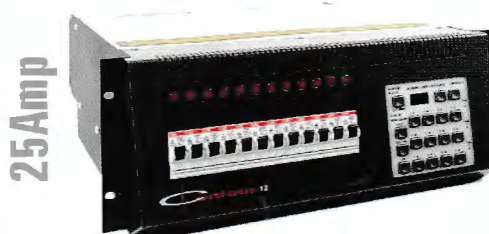


10Amp

Fuses



16Amp



25Amp

► Serviceability

Serviceability features high on the priority list. The Contour 12 has been designed to make life simple for the service technician.

Only two screws need to be removed in order to gain access to the power components and a further two enables access to the electronics.

► Time Saving

The Contour's cleverly designed split rear panel enables quick and easy wiring of Socapex and Harting connectors - saving minutes of installation time.

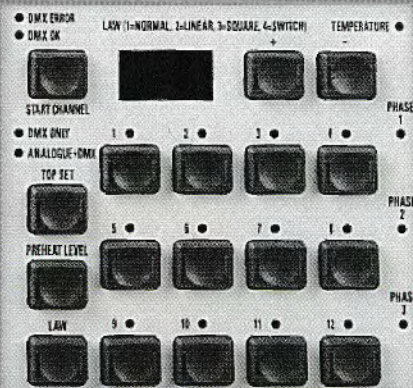
► Visual Feedback

In pressured situations users need to be very comfortable with their equipment. This means having controls which are clearly marked and easy to use.

The Contour 12 has 18 single function buttons with integral LED indicators and a front panel which is angled up towards the users eyeline.

► User Feedback

Already the favoured choice of a number of leading rental companies, the Contour 12 is increasingly being used in high spec installations and professional touring shows.



FUNCTION KEY PAD



NEON INDICATORS & CIRCUIT BREAKERS

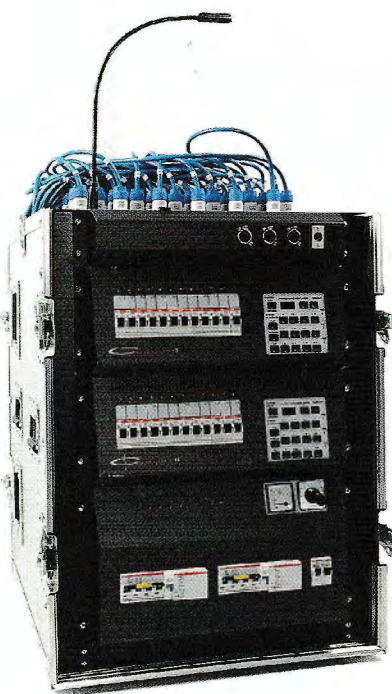
Digital Dimming Range

► The Contour 12 - Touring System ◀

With the emphasis on safety and performance the Contour 12 Touring System solves many of the problems normally associated with touring racks.

Using 3 pole impact resistant locking patch connectors, you need only patch your system once and it will remain patched throughout your tour.

Touring System



Locking Connectors



► Mains Fault Tolerant

The Contour's mains input fault tolerance means you will never lose a rack due to missing neutral connections or crossed phases.

The dimmers are further protected by RCDs and have highly visible 'mains safe' neon indicators.

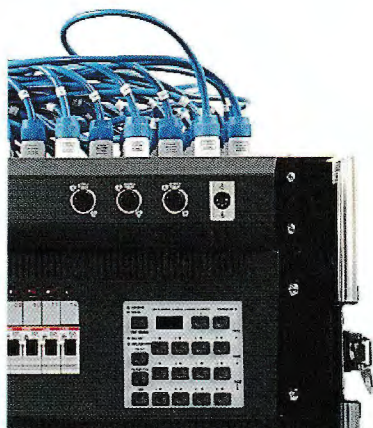
► Serviceability

The serviceability of the Contour 12 Touring System is second to none with fully extendable slide rails as standard. Each dimmer can be serviced while still in the rack.

The built in fully isolated DMX splitter removes the need for separate splitter boxes.

► The Touring System

The Contour 12 Touring System features locking mains patch in fixed or floating configurations, integral isolated DMX splitter and optional power loop through.



the

TOURING
system

► Patch Panel

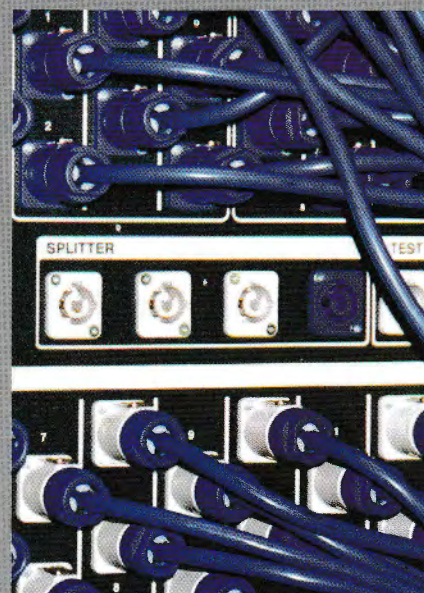
- Unique lockable Patch connector.
- Hardwired or Free Patch options.
- High impact resistant Patch connectors.
- Breakered 'live' test outputs.

► Performance

- 16Amps per channel 100% duty cycle.
- Socapex or Harting outputs.
- Fully isolated DMX splitter.
- Highly durable flight case with shock absorbing mountings.
- Breakered Auxiliary outputs.
- 24 Channel - 48 way Patch.
- 48 Channel - 96 way Patch.
- 3Ø 125A thru option.
- Delivered ready to use.

► Safety

- 3 Pole Earth First Patch connector.
- RCD protection.
- 3Ø safety neon indicators.
- Multi phase voltage measurement.
- Fully enclosed wiring chamber.



NEUTRIK LOCKING CONNECTORS

MAIN FEATURES



The serious touring and installation markets demand that dimmers are quick and easy to install, simple to set up and use, and above all very reliable.

Using the latest techniques and designed in consultation with some of Europe's leading professional users, the Contour 12 represents the very best in digital dimming technology.

Serviceability also features high on the priority list. The Contour 12 has been designed to make life simple for the service technician. Only two screws to remove to gain access to the power components, and a further two enables access to the electronics.

In pressured situations users need instant visual feedback from their equipment. This means having controls which are clearly marked and easy to use. The Contour 12 has single function buttons (no complicated menus) with integral LED indicators and a front panel angled up towards the users' eyeline.



Für professionelle Beleuchtungssysteme bei Tourneeveranstaltungen sind Dimmer gefordert, die schnell und einfach zu installieren, leicht einzurichten und zu benutzen und vor allem äußerst zuverlässig sind.

Mit Hilfe neuester Techniken und in Zusammenarbeit mit führenden professionellen Benutzern Europas entwickelt, repräsentiert der Contour 12 modernste digitale Dimmertechnologie.

Auch die Zweckdienlichkeit steht ganz oben auf der Prioritätenliste. Der Contour 12 ist darauf ausgelegt, dem Servicetechniker das Leben so einfach wie möglich zu machen. Um an die stromführenden Komponenten zu gelangen, müssen lediglich zwei Schrauben entfernt werden, und nach weiteren zwei Schrauben sind auch die elektronischen Teile frei zugänglich.

In Situationen, in denen der Benutzer unter Druck steht, benötigt er eine sofortige optische Rückmeldung des Systems. Hierzu sind Regler erforderlich, die eindeutig gekennzeichnet und einfach in der Handhabung sind. Der Contour 12 verfügt über Schalter mit Einzelfunktionen (keine komplizierten Menüs) mit integrierten LED-Anzeigen und einem Bedienfeld, das dem Blickwinkel des Benutzers zugewandt ist.

THE CONTOUR 12 RANGE



Les marchés sérieux du tourisme et de l'installation exigent que les variateurs de lumière soit d'installation rapide et aisée, faciles à configurer et avant tout très fiables.

Mettant en oeuvre les techniques les plus récentes et conçu en consultation avec des utilisateurs professionnels de premier plan d'Europe, le Contour 12 représente ce qu'il y a de mieux en matière de technologie de régulation numérique de l'éclairage.

La commodité figure également en tête de la liste des priorités. Le Contour 12 a été conçu pour faciliter la vie du technicien d'entretien. Il lui suffit de retirer deux vis pour accéder aux composants de l'alimentation et deux vis supplémentaires pour accéder aux éléments électroniques.

Dans les situations pressurisées, les utilisateurs ont besoin d'une rétroaction visuelle instantanée pour leur équipement. Ceci signifie disposer de commandes clairement marquées et faciles à utiliser. Le Contour 12 dispose de boutons de fonction uniques (pas de menus compliqués) avec des diodes électroluminescentes intégrées et un panneau avant incliné vers la hauteur de vue des utilisateurs.



Los importantes mercados de las giras y de instalación exigen reguladores de voltaje cuya instalación sea rápida y simple, el montaje y empleo sencillos y sobre todo, muy fiables.

Utilizando las últimas técnicas y diseñado con el asesoramiento de algunos de los principales usuarios profesionales europeos, el Contour 12 representa lo mejor en tecnología de regulación digital del voltaje.

La facilidad de mantenimiento también tiene mucha importancia en la lista de prioridades. El Contour 12 ha sido diseñado para facilitar las cosas al técnico de mantenimiento. Para acceder a los componentes eléctricos sólo hay que extraer dos tornillos, y extrayendo otros dos se accede a los componentes electrónicos.

En situaciones apremiantes, los usuarios necesitan retroalimentación visual instantánea de su equipo, lo que significa contar con controles que estén claramente indicados y fáciles de utilizar. El Contour 12 tiene botones de una sola función (sin menús complicados) con indicadores LED integrales y un panel frontal en ángulo hacia la línea de visión de los usuarios.

CONTOUR 12 TECHNICAL SPECIFICATIONS

Phase Input:	1, 2 or 3.
Voltage Range:	90 to 130v, and 180v to 260v auto sensing.
Over Voltage Protection:	500v phase to neutral.
Product Dimensions:	H:17.6, W:48.2, D:47.0cm.
Main Body:	H:17.5, W:42.5, D:40.3cm.
Weight:	19.5kg (10Amp), 22.5kg (16Amp), 25.5kg (25Amp).
Shipping Size:	H:30.0, W:60.0, D:57.0.
Shipping Weight:	21kg (10Amp), 24kg (16Amp), 27kg (25Amp).
Mains Frequency:	45Hz to 65Hz auto sensing and auto tracking.
Power Consumption:	Less than 30W for no load.
Phase Operation:	Single phase; 3 phase Star; 3 phase Delta.
Phase out Operation:	Operates with any mix of phase.
Leakage Current:	1. Phase to Earth. 1.1 3 Phase (Delta or Star) 0.35mA. 1.2 Single phase 1.02mA. 2. Phase to Neutral. 2.1 3 Phase Star 37mA. 2.2 Single phase 108mA. 3. Phase to Phase. 3.1 3 Phase Delta 37mA.
Operating Temperature:	40°C max ambient - minimum 5°C non-condensing.
Audible Fan Noise:	32 DbA.

Contour 12-10

Output Protection:	10 Amp fuse 1 per channel.
12-10 (Fuses):	10A thermal magnetic circuit breakers one per channel with neutral disconnect.
12-10 (Breakers):	To 2000A. (per ch. at 230v resistive).
Breaking Capacity:	2400W.
Maximum Load:	2500W.
Continuous:	40 Amps per phase.
Short Term:	
Max total load per unit:	

Contour 12-16

Output Protection:	16A thermal magnetic circuit breakers one per channel with neutral disconnect.
Breaking Capacity:	To 4500A.
Maximum Load:	(per ch. at 230v resistive).
Continuous:	3000W.
Short Term:	3500W.
Max total load per unit:	60 Amps per phase.

Contour 12-25

Output Protection:	16 A with 25A thermal magnetic circuit breakers one per channel with neutral disconnect.
Breaking Capacity:	To 4500A.
Maximum Load:	(per ch. at 230v resistive).
Continuous:	4600W.
Short Term:	5000W.
Max total load per unit:	80 Amps per phase.

Product Order Codes

00-440-00	Contour 12 -16
00-441-00	Contour 12 - 25
00-442-00	Contour 12 - 10 (fuses)
00-443-00	Contour 12 - 10 (breakers)
00-460-00	Contour 12 Touring System



zero 88

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