

# Contact 12

## DMX controlled Power Pack



Contact 12, 12 relay switched channels

- User settable DMX Security Delays to guard against DMX errors
- User settable Auto Sequential On Delays for standalone operation
- Fully isolated DMX Input with DMX Thru output
- Surge protected DMX input, 1/8th standard RS485 load
- Load protection by Thermal-Magnetic MCBs or RCBs
- 10 amp and 20 amp versions available in Terminal or Socket backs

**THEATRELIGHTNZ**  
of New Zealand

## Contact 12 Relay Pack

Easy to set up and use, the Contact 12 provides switched power via DMX control with user settable security delays, or auto sequential power on for Moving Lights, LED luminaires, fireworks, motors, and any other appliance requiring reliable On/Off power. The Auto Sequential On mode is particularly useful where large installations of LEDs and Moving lights trip MCBs when all circuits are switched on together. 30 amp rated Omron relays provide longterm reliability. The Contact 12 is available in 10 amp, 3 pin socket or terminal versions, and 20 amp Socapex or terminal versions.

**DMX Security Delay Setup:** With power off, set DMX address 990-995, then power on. The Active LED flashes for 5 secs if a new delay mode has been set and stored. Now power off, set the desired DMX address and power on: the stored delay mode will be applied.

Address	On/Off Delay	Security type
990	1-25msec	No DMX error checking
991	~25ms	1 DMX packet complete, no errors
992	100 msec delay	4 DMX packets complete, no errors
993	200 msec delay	8 DMX packets complete, no errors
994	500 msec delay	20 DMX packets complete, no errors
995	1 sec delay	40 DMX packets complete, no errors

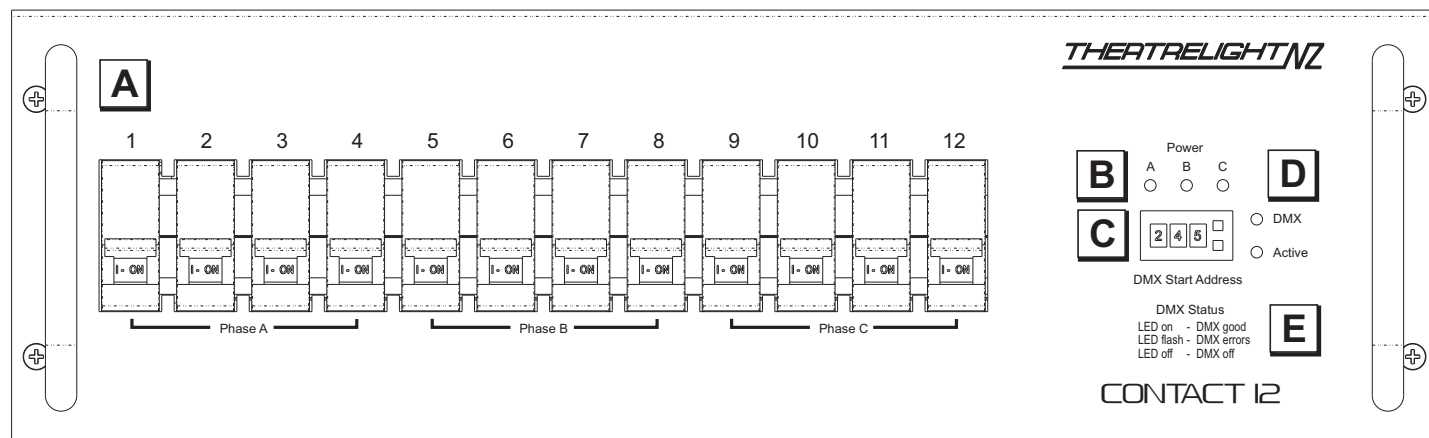
**Auto Sequential On Setup:** Set and leave the DMX address as follows:

Address	Auto On Delay	Action
996	500msec	Chns 1 to 12 switch on at 0.5s intervals
997	1 second	Chns 1 to 12 switch on at 1s intervals
998	2 second	Chns 1 to 12 switch on at 2s intervals
999	5 second	Chns 1 to 12 switch on at 5s intervals

Auto Sequential On modes revert to the previously set DMX delay if the DMX address is in the range 1-512.

# CONTACT 12

- DMX Security Delay mode features user settable delays of up to 1 second to guard against DMX errors
- Auto Sequential On delays to stagger high inrush currents of multiple LED and other heavy capacitive loads
- Simple and easy to use DMX setup by thumbwheel
- DMX in and through, using Neutrik or generic goldplated 3 or 5 pin XLRs to order
- Isolated, floating DMX input, 1/8th standard RS-485 load
- Last DMX levels held after DMX off
- DMX On levels: 60%; DMX Off levels 40%
- DMX LED indicates state of DMX signal
- Active LED shows if any channels are switched On
- ABC LED indicators show power on phases A, B and C
- High reliability Omron brand relays with 30 amp contacts
- Less than 5 watts power usage when all channels are off
- EMI suppression components to reduce switching interference in audio and video equipment
- High immunity to Mains and DMX interference
- Thermal/Magnetic MCBs standard. RCBOs to order



### Front Panel Legend

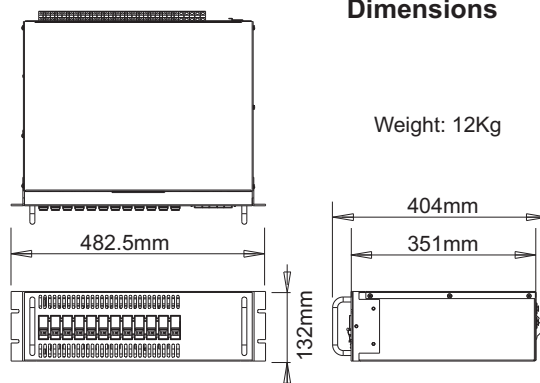
- A: Thermal/Magnetic Circuit Breakers (MCB) protect each channel in the event of a lamp failure or load short circuit  
 B: A B C LEDs indicate presence of mains power on each phase  
 C: Thumbwheel for setting DMX Start Address

- D: The DMX LED shows the presence of DMX signal, and any errors. The ACTIVE LED flashes if any channel is ON  
 E: DMX LED status legend

### Specifications

**Form:** 3U high, 19 inch wide, powder coated zinc-plated steel case  
**Electronics:** Flash microprocessor driving Omron brand relays  
**Input:** 90 to 265 volts AC, 1, 2 or 3 phase and Neutral, 45 to 65 Hz  
**Output versions:** 12 x 10 amp versions: 3 pin socket or Terminals  
 12 x 20 amp versions: Socapex or Terminals. Other sockets to order  
**MCBs:** 10 or 20 amp MCBs standard, RCBOs per channel to order  
**EMI Filtering:** RC snubbers and Transil noise suppression  
**DMX Input:** DMX-512 via Neutrix 3 or 5 Pin XLR connectors with a DMX Thru output for linking to other packs

### Dimensions



Your Local Distributor:

**THEATRELIGHT NZ**

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