## External time lag switch (16 Amp)
### TAN16AEXT

Tansun's TAN16AEXT external time lag switch will switch on the connected load when the illuminated 'touch here' area is touched.

It will switch off automatically after the time lag has elapsed. This time lag is adjustable in equal steps via an adjuster inside the unit, as follows:

TAN16AEXT:                    2 to 20 minutes

During the last 20 seconds of the time lag period the illuminating LEDs will flash; if the 'touch here' area is not touched the load will then switch off. The timer can be re-started at any point within the time lag period by touching the 'touch here' area.

The load will not be switch on permanently by an object being placed over the 'touch here' area - the load will only switch on again if the object is removed and the 'touch here' area is retouched.

When correctly connected and mounted the unit can have an IP66 rating and is vandal resistant, since it has no moving parts.
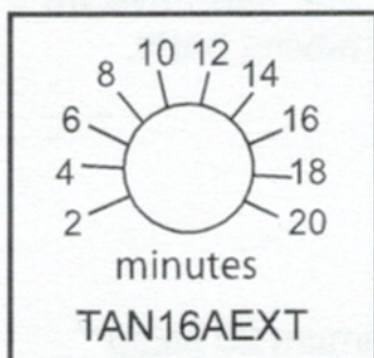
## Loading

TAN16AEXT can switch up to

- 16amps (4000W) of Quartz heaters
- 12amps (3000W) of fluorescent lamps, maximum 20 fitting (assuming each fitting has a capacitance of 250µF)
- 2amps (500W) of most metal halide lamps (check in-rush current with lamp manufacturer).

## Installation procedure

1. Please read these notes carefully before commencing work.
   In case of doubt please consult a qualified electrician.
   Make sure the power is isolated from the circuit.

2. The TAN16AEXT should be connected as shown opposite.

   | | | |
   |---|---|---|
   | L | Brown | Live in |
   | N | Blue | Neutral in (Two neutral terminals are supplied) |
   | SL | Orange | Switched line out |
   | E | Yellow/green | Earth (Two earth terminals are supplied) |

3. Typical wiring diagram is shown opposite.

4. To ensure an IP66 rating, mount the enclosure using only the four fixing holes provided, use a circular cable of diameter 6-12mm, fit the seal provided into the groove within the enclosure lid. If the IP66 rating cannot be achieved then the drain-hole guide on the lower face of box should be carefully drilled through with 4mm drill to a maximum depth of 10mm, enabling IP54.

5. The time lag is adjusted via a spindle located within the product as shown below.



TAN16AEXT

6. When wiring has been completed and verified, switch on supply and test operation.

7. The first time the TAN16AEXT is activated after the power has been restored to the unit, it will switch the load on for just 10 seconds.

## Typical wiring diagrams

### TAN16AEXT

L

optional manual
wall switch for
overriding off,
switching via a relay
or contactor is not
suitable for this
application

$\sim$230VAC

N

load

SORRENTO 2kW

SORRENTO 2kW

230V / 16 A / 1,5mm²

230V / 16 A / 1,5mm²

Touch Timer

230V / 20 A / 2,5mm²

230V / 20 A / 2.5mm²

## Fault finding

TAN16AEXT external time lag switch time lag switch does not function correctly:

- Non-resistive load (contactor, emergency, CFL, LED or 2D lamps) add a load capacitor across the load.

## Precautions and Warranty

This product conforms to BS EN 60669-2-1.

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. 6 amps over current, 1kV over voltage. Please ensure that this device is disconnected from the supply if an insulation test is made.

This product is covered by a warranty which extends to 5 years from the date of manufacture.

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