

Troubleshooting

Slave switch does not operate the time lag switch:

- Ensure only DANLERS slave switches are used.
- Ensure slave wiring is less than 10m long.

Does not work with existing 2-way switches:

- Time lags and slaves can use the wiring of 2-way switching circuits, but not mixed with 2-way switches.

There is no Neutral connection available:

- DANLERS 2-wire, TLSW 10 (ILM), should be used instead.

Precautions and Warranty

This product conforms to BS EN 60669-2-1 and BS EN 55015.

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. a 10 amp circuit breaker and voltage surge protection. 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.

Products available from DANLERS

- PIR occupancy switches • Daylight linked dimmers • Manual high frequency dimmers
- Photocells • Radio remote controls • Time lag switches • Outdoor security switches
- Dimmers • Heating, ventilation and air-conditioning controls • Bespoke / O.E.M. products

Please call for more information or a free catalogue, or visit our website.

DANLERS Limited, Vincients Road, CHIPPENHAM, Wiltshire, SN14 6NQ, UK.
Telephone: +44 (0)1249 443377 Fax: +44 (0)1249 443388
E-mail: sales@danlers.co.uk Web: www.danlers.co.uk
Company Registered Number 2570169 VAT Registration Number 543 5491 38



DANLERS

Installation notes

Plated time lag switches (3-wire versions)

TLSW A20	TLSW A120
TLSW A20 ILM	TLSW A120 ILM

DANLERS 3-wire plated time lag switches need a neutral connection. Where no neutral is present a 2-wire plate time lag switch should be used (TLSW 10). The wall box must of at least 16mm deep.

A short press will switch the load on and it will switch off automatically after the time lag period has expired.

The time lag on the TLSW A20 products can be set between approximately 2 and 20 minutes.

The time lag on the TLSW A120 products can be set to between approximately 12 and 120 minutes (2 hours).

The button on the illuminated versions (TLSW A20 ILM and TLSW A120 ILM) is lit at all times (when the load is on or off).

The load can be switched on from other locations by connecting these devices in parallel or by connecting DANLERS matching slave switches, available as both a plated single gang slave (SS 1SL) and a two gang slave (SS 2SL).

Loading

These switches can only be connected to a 230V 50Hz AC supply.

They can switch up to 6 amps (1500W) of:

- Fluorescent lamps, either high frequency or switch start
- Incandescent or mains halogen lamps (recommended with integral safety fuse)
- Electronic or wire wound transformers.

They can also switch up to:

- 2 amps (500W) of CFL, 2D lamps, LED Drivers and LED lamps and fittings.
- 1 amp (250W) of Fans or Metal Halide lamps.

Minimum load 2W resistive, suitable for most energy saving lamps, LEDs and emergency fittings.

For larger loads they can be used to operate a contactor.

Installation procedure

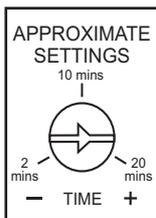
- Please read these notes carefully before commencing work.
In case of doubt please consult a qualified electrician.
Make sure the power is isolated from the circuit.
If a four lug metal back box is to be used, the top and bottom lugs must be removed
- The TLSW Ax20 (ILM) has two terminal blocks on the reverse, which should be connected as:

Block 1	L	Live input
	N	Neutral input
	SL	Switched Line output

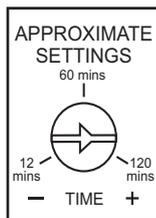
Block 2	Push Button	For connection to slave switch(es) †
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Must not be connected to the mains.
- Existing two-way strapper lines can usually be used to connect these time lag switches in parallel or to connect slave switch(es), as shown in the wiring diagrams opposite.
- The time lag is adjusted via a spindle (see illustration below) by inserting a narrow (flat) screwdriver through the hole located on the bottom edge of the device:

TLSW A20 (ILM)



TLSW A120 (ILM)



Notes:

† The two terminals on DANLERS slave switches are labelled as:

Plated Slave switches: Push Button
Grid Slave switches: L, S

If grid slave switches are used with plated time lag switches, the L and S terminals must be connected only to the Push Button terminals on the timelag switch, not to live.

Typical wiring diagrams

