the LEON AUDIO company

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Speaker's Timer

mk3

A versatile timer for use at conferences to indicate the time remaining for a speech.

The timer comprises 3 units.
A Chairperson's control unit, a display unit at the lectern, and an optional slave display unit for the A/V operator.

Lectern Unit

- 10 LED bar graph displays time remaining in 10% steps.
- *Warning* LED to indicate when a predetermined time remains.
- *Time's Up* LED to indicate when time is up.
- *Pause* LED to show when the Control Unit is paused.
- Selectable warning beeper

- Reports any cable faults back to the master.
- Powered from the Control Unit. No local power needed.

An optional unit for the A/V operator is similar in appearance to the Lectern unit. It provides a slave display without reporting any cable errors back to the Master.

Cable: 1 metre, terminating in a 3 pin male XLR connector.
Dimensions: 110mm x 60mm x 25mm
Case: Die cast aluminium.
Finish: Satin black powder coat.

Control Unit

- 10 LED bar graph displays time remaining in 10% steps.
- *Warning* LED to indicate when a predetermined time remains.
- *Time's Up* LED to indicate when time is up.
- *Pause* LED to show when the control is paused.
- Start/Stop and Pause buttons.
- A 15 position rotary switch and associated *minutes* button select the time from 1 to 60 minutes in 1 minute steps.
- Selectable Warning time indication of either 2 or 5 minutes. (Other warning times available to order).
- Audible beeper on/off for each of the Lectern and Control units.
- LED indication that the Lectern unit is plugged in and there are no cable faults.

Lectern connector: 3 pin female XLR connector.
Width: 95mm (3.8”)
Height: 120mm (4.7”)
Depth: 34mm (1.3”)
Case: Die cast aluminium.
Finish: Satin black powder coat.

Power Supply

An external plug pack connects via a 2 pin locking metal connector.
The plug pack can be 16-18V AC 1 amp or 24V DC at 500mA.
The connector can be wired with either polarity as there is an internal rectifier. A suitable plug pack is supplied.

Typical Operation

Example:
Set up the Speaker's Timer for a 20 minute speech with an audible warning when 5 minutes remain.

The time setting is the sum of the rotary switch and the *minutes* button Press the *minutes* button on the Control Unit until the *+15* LED is lit. Adjust the rotary switch to read 5 minutes.

Using the Warning Minutes button, set the warning time to 5 minutes. This gives a visual (LED) warning when 5 minutes remain. This can be accompanied by a beep at the Lectern and/or the Control Unit. The beep option is selected by the grey Local/Lectern warning beep buttons.

Press the Start/Stop button. All LEDs in the bar graph light up. The green LED immediately above the start button flashes 1 sec on 1 sec off to show that the unit is timing.

2 minutes later the 90% LED goes out as you have less than 90% left. (2 minutes being 10% of 20 mins)

When 5 minutes (in this example) remain, the warning LED flashes accompanied by a beep if selected.

The bar graph keeps counting down.

When 20 minutes is reached, the time's up LED flashes, accompanied by a beep if selected.

The pause button. Press once to pause, press again to un-pause. A LED displays the pause status.

Start/Stop button stops the timer if it is running.

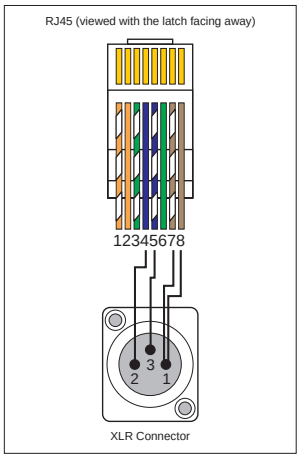
The lectern fault LED will light if the lectern unit becomes disconnected or there is a cable fault.

Interconnection

- Uses readily available standard 3 pin XLR microphone cables.
- Transformer balanced for maximum interference rejection and high noise immunity.
- Designed to run in electrically hostile environments, such as venues with large quantities of light dimmers.
- 1km minimum cable length (dependent on cable characteristics, primarily DC resistance).
- Will work with microphone leads wired incorrectly (i.e. pins 2 & 3 swapped).
- Several levels of software error traps to prevent false commands in the event of cable faults or severe interference. Very tolerant of "crackly" leads.
- Virtually immune to interference from mobile/cell phones.
- Will run down an audio multicore.
- The Control Unit is mains powered. The remote unit(s) are powered from the Control Unit via the same XLR cable that carries the data.

CAT5 Cable

An XLR to RJ45 adaptor will allow the use of CAT5 cable.



Suggested adaptor wiring

Unused wires on RJ45 pins 1,2,3 & 6 may be connected to XLR pin 1 if desired. This will lower the DC resistance of the Ground conductor and extend the maximum cable length.

Note:
CAT5 cable and connectors are mechanically inferior to professional grade microphone cable and XLR connectors.

Warranty

The Leon Audio Speaker's Timer is guaranteed for two years from date of original purchase against defects in workmanship and materials. If such malfunction occurs, the item will be repaired or replaced (at our option) without charge for materials or labour if delivered prepaid to THE LEON AUDIO COMPANY. Unit will be returned prepaid. Warranty does not cover finish or malfunction due to abuse or operation at other than specified conditions. Repairs by other than THE LEON AUDIO COMPANY or authorized agents will void this guarantee.

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