

Solwise TLB1 - Timed Line Break Generator.

Line-powered device generates 'recall' in response to a pre-programmed DTMF sequence.



The TLB1 is primarily designed for remote workers who use Voice-over-IP for a phone connection to a head-office telephone system.

Although a VoIP system can be made essentially transparent to voice traffic, the support of legacy signalling, particularly the 'recall' signal, is poor or non-existent in most VoIP hardware. This 'recall' signal is used to put a call on hold or transfer it to another extension on the head-office PBX. It is sometimes called a TLB or FLASH signal and is implemented by the telephone momentarily going 'on-hook'.

In order to regenerate the recall signal at the head office end of the link, the TLB1 monitors the line and waits for a pre-programmed DTMF key sequence, such as '***'. Upon hearing this signal on the line the TLB1 generates the recall signal for the PBX, thus placing the call on hold. The remote VoIP user then gets the dial tone or hold-tone from the PBX, just as if he were in the office.

The TLB1 enables users to benefit from the use of potentially free inter-office calls via the Internet without sacrificing the capabilities of their office telephone system.

Specifications:

Line Break Timing:	User programmable 65, 75, 85, 100, 120, 140, 166, 200, 300 or 600ms, default 65ms.
Line break activation code:	User programmable, default '***'
Line maintenance current:	1mA @ 5V is provided during the line break to maintain the line presence for the telephone device.
Programming interface:	Telephone keypad DTMF / LED confirmation.
Power Supply:	Line powered.
Activity indicator:	LED
Connectors:	RJ11 in/out
Configurations:	Single line unit in small plastic enclosure. Multiple lines in 19" Rack Mount (8 and 16 port variants)