



Signal Routing Solutions. Made in Germany.

Their Mission: PURE SOUND, NO NOISE, MORE TONE.



### **Lehle MIDI-Kabel**

These MIDI cables are used to connect Lehle SGoS Switcher to standard MIDI equipment. The robust cables, with their metal TRS and DIN connectors, are available in lengths of 0.3m, 0.6m, 1m, 3m, 6m and 10m.



### **Lehle MIDI Junction**

The Lehle MIDI Junction networks up to four Lehle Lehle SGoS (= Second Generation of Switching) Switchers via standard stereo jack-plug adapters, using MIDI program-change commands for communication between the individual Switchers. External MIDI equipment that responds to MIDI program-change commands can also be connected by means of a five-pole DIN socket.

Combination of multiple MIDI Junction units permits networking of up to ten Lehle SGoS Switchers.

The Lehle MIDI Junction in its virtually indestructible housing of 1.5 mm thick steel sheet is an entirely passive accessory, with no need for a power supply.



## Lehle DC-Filter

The Lehle DC Filter eliminates DC voltage from analog signals. Audio signals containing DC voltage cause ugly switching noise. Now, both line and high-impedance signals are cleaned - but with no loss of sound. The DC Filter is of full stereo type, and thus filters stereo - and, of course, mono - signals. This little aid can even process balanced signals. The Lehle DC Filter is a passive filter, so it needs no power supply.

## Lehle Sunday Driver XLR: Preamp, DI



The Lehle Sunday Driver XLR is a compact-format high-end preamp for all types of electrical and acoustic instruments - a preamp that enables electric guitars and basses, acoustic guitars, and also other stringed instruments (such as violins, cellos and double basses) to realize all of their musical potential. The XLR variant adds a symmetrical XLR output and a ground-lift switch to the classical Lehle Sunday Driver spec. On stage, it can be used as a compact DI box, and as a line-driver for long cable distances. In studio use, its broad output range of 20 to 100,000 Hz makes it ideal as a recording preamp or as a DI box, whether as a battery-operated stand-alone unit, or integrated into existing setups.

The Lehle Sunday Driver XLR, with its high-quality JFET technology, provides two modes, which are selected using a switch with gold-plated contacts. In mode D (= Driver), the input signal is amplified with absolutely no modification. This eliminates the signal losses that long cable routings and/or impedance matching errors with high-impedance signals from passive pick-ups can cause. The signal remains powerful and clear, retaining its dynamics and brilliance. Mode S (= Sunday) multiplies input impedance by four, bringing out previously inaudible details. As gain increases on the Lehle Sunday Driver XLR, the sound takes on an unmistakable and characteristic warmth. There is no distortion at any stage, and the signal remains clean at all times, even at the maximum gain setting of 15 dB. To exploit the dynamics to the full, the input voltage is rectified from the power supply socket, filtered, stabilized and then doubled to 18V. The Lehle Sunday Driver XLR is totally free of background noise, thanks to its studio-standard signal-to-noise ratio of better than -100 dB.



## Lehle Sunday Driver SW: Preamp

The Lehle Sunday Driver SW is a compact-format high-end preamp for all types of electrical and acoustic instruments - a preamp that enables electric guitars and basses, acoustic guitars, and also other stringed instruments (such as violins, cellos and double basses) to realize all of their musical potential. The switchable version expands the classical Lehle Sunday Driver's features by an On/Off footswitch.

The Lehle Sunday Driver SW, with its high-quality JFET technology, provides two operating modes. In D (= Driver) mode, the input signal is amplified with zero modification, to eliminate the signal losses that long cable routings and/or effects chains can cause. The signal remains powerful and clear, and retains its dynamics. Mode S (= Sunday) multiplies input impedance by four, bringing out previously inaudible details and, as gain increases, imparting to the guitar a characteristic and unmistakable warmth. There is no distortion at any stage, and the signal always stays clean, even at a maximum gain setting of 15 dB. Thanks to its studio-standard signal-to-noise ratio of better than -100 dB, the Lehle Sunday Driver SW is totally free of background noise. To exploit the dynamics of tube amplifiers to the full, the input voltage is also rectified from the power supply socket, then filtered, stabilized and doubled to 18V.

In OFF status, the Lehle Sunday Driver SW provides two different modes of operation - in TB (= True Bypass) mode, the input and output are linked with zero losses to one another via a switch with gold-plated contacts. True Bypass mode is the best option for a small set-up with short cable routings and for when a treble-booster or a classical fuzz pedal is looped in after the Lehle Sunday Driver SW. The line-driver function, located at the start of the train or in an effect chain, is the better solution for long cables and for complex effect board configurations. Switch the Lehle Sunday Driver SW to TS (= True Sound) mode, and it is active as a buffer, without amplifying or modifying the signal in any way. In this mode, the Lehle Sunday Driver SW operates as a totally neutral line-driver – equivalent to Mode D with the gain pot turned all the way to the left. The Bypass mode option enables the Lehle Sunday Driver SW to integrate ideally into any set-up, whether as a battery-operated stand-alone unit, or in an existing pedal board.



## Lehle Sunday Driver:Preamp

The Lehle Sunday Driver is a high end preamp with a convenient compact format. It features JFET-based circuitry and provides two modes of operation, with selection via a mode selector switch with gold-plated contacts: "D" stands for Driver; in this mode, the guitar signal is amplified, with absolutely no modification, at the input impedance of a guitar amp, efficiently eliminating losses on the route through leads and effects; the signal remains strong and clear, retaining its full dynamics. The second setting "S" - as in Sunday - multiplies input impedance by four, bringing out previously inaudible details and, as gain increases, imparting to the guitar sound a characteristic and unmistakable warmth that has given this preamp its name - the result is a sound as mellow as a sunny Sunday afternoon! Even at a 15dB gain setting, the Lehle Sunday Driver always stays clean and absolutely free of background noise, thanks to its studio-standard signal-to-noise ratio of over -100 dB. To exploit the dynamics of tube amplifiers to the full, the input voltage is also rectified from the power supply socket, then filtered, stabilized and doubled to 18V. With its broad output range of 20 to 100,000 Hz, the Lehle Sunday Driver, powered by a standard 9V (PP3) battery, can be used anywhere, whether as a cable driver for stadium and other large stages, in complex effects set-ups, or as a recording preamp - and not just Sundays!

## Lehle Julian: Preamp



The Lehle Julian is an advanced Lehle Sunday Driver SW and offers additional controls like the parametric mids and treble. It has developed into a versatile booster - especially with the vintage users in mind - to tickle the input of a tube amp. The parametric midboost allows individual sound shaping as well as recreating the characteristics of familiar classics like the established Dallas Rangemaster or the Hornby Skewes Treble Booster, supplying the ear with familiar sounds. Since these boosters had a very low input impedance we have equipped the Lehle Julian with a switch that reduces the impedance from 1 MOhm to 10 kOhm for authentic rendition of their characteristics. The treble control completes the sonic performance. And the best: all settings from „muffled“ to „edgy“ are always pleasing, there is no dull or piercing sound. The overdrive grade of the connected amp can be fine-tuned with the gain pot by +/- 15 dB ranging from super clean to distorted. The Lehle Julian always

delivers a clean output thanks to its JFET input stage. Its personal dynamic derives from the fact that the incoming current is rectified, stabilized and doubled to 18V right after the powersocket.

In OFF status, the Lehle Julian provides two different modes of operation - in TB (= True Bypass) mode, the input and output are linked with zero losses to one another via a switch with gold-plated contacts. True Bypass mode is the best option for a small set-up with short cable routings and when a classical fuzz pedal is looped in after the Lehle Julian. The line-driver function, located at the start of the train or in an effect chain, is the better solution for long cables and for complex effect board configurations. Running the Lehle Julian in TS mode (= True Sound) it becomes active as a buffer, but without amplifying or coloring the signal. The Bypass mode option enables the Lehle Julian to integrate ideally into any set-up, whether as a battery-operated stand-alone unit, or in an existing pedal board.

### **RMI Basswitch Clean Boost Preamp**

The Basswitch Clean Boost was born out of the idea to buy the Bassswitch IQ DI another full-fledged channel. This compact preamp combines the boostfunction of the Bassswitch IQ DI with a 3-band-eq that has been especially voiced for a clean sound. Additionnaly the treble control combines a passive high frequencies reduction with an active high frequency boost.



The EQ of the Basswitch Clean Boost has the feel of a mixing console channel to it and allows a strong bending of the basic signal. It consigns a wonderfully tidy soundscape and your instrument will receive a new sonic shine.

The Basswitch Clean Boost allows gain adjustment of +/- 15 dB and can be used as a stand-alone booster, it can be teamed up with the Bassswitch IQ DI for more options or work as a compact standalone preamp in front of an active monitor or bass cab.

The approved Lehle True Sound Technology ensures a great tone: starting from the discrete JFET input stage, up to the switching via gold-plated relais this booster offers a more than studio-standard dynamic range of over 110 dB with very little noise. The Basswitch Clean Boost works internally with 18 V, but is content with all power supplies between 9 – 15 V AC or DC. The extremely robust construction with its protected controls and indestructable switching

mechanism will provide many years of joy with clean boosting.

## **RMI Basswitch Classic Boost**

When we designed the Basswitch Classic Boost we had in mind classic passive P, JJ and PJ basses. This compact preamp combines the Bassswitch IQ DI's boost with a 3-band-eq especially voiced for vintage basses. Additionally the treble control combines a passive high frequencies reduction with an active high frequency boost.



This can substitute the installation of active electronics in the instrument, collectors or owners of vintage instruments will appreciate this, and your vintage bass will receive a new sonic shine without altering the characteristic sound of your instrument.

The Basswitch Classic Boost allows gain adjustment of +/- 15 dB and can be used as a stand-alone booster, it can be teamed up with the Bassswitch IQ DI for more options or work as a compact standalone preamp in front of an active monitor or bass cab.

The approved Lehle True Sound Technology ensures a great tone: starting from the discrete JFET input stage, up to the switching via gold-plated relays this booster offers a more than studio-standard dynamic range of over 110 dB with very little noise. The Basswitch Classic Boost works internally with 18 V, but is content with all power supplies between 9 – 15 V AC or DC. The extremely robust construction with its protected controls and indestructible switching mechanism will provide many years of joy with classical boosting!



## Lehle P-Split II: Splitter

The Lehle P-Split II combines passive splitting with maximum signal fidelity. Its core is the Lehle LTHZ high-end transformer, which electrically isolates the two outputs, eliminating the possibility of ground loops. The Lehle LTHZ was specially designed for use with high-impedance signals but also splits low-impedance signals with uncompromising sound quality. The signal can be picked off either symmetrically or asymmetrically from the ISO output. A phase inverter switch with gold-plated contacts permits reversal of input signal phase at the ISO output, preventing phase cancellations from impairing signal reproduction.

The classical application for the Lehle P-Split II is splitting of an input signal to the two outputs, enabling you to connect your instrument to two devices, which may, for example, be two amplifiers, or an amp and a mixer or recording unit (PC/DAW). Thanks to the facility for also picking off the signal balanced on the ISO output, the Lehle P-Split II is eminently suitable for use as a high-quality compact DI Box for all types of signal. Another useful application for the Lehle P-Split II is as an effective suppressor for unwanted hum. Background noise occurs again and again, caused by ground loops, when two electronic devices are connected to each other - the Lehle P-Split II provides a simple, but extremely effective, remedy, being installed between the two units. Using the ISO output, the two devices are electrically isolated, and this background noise becomes a thing of the past. And: the Lehle P-Split II needs no separate power supply!



## Lehle Mono Volume

The Lehle Mono Volume is a volume pedal equipped with a precise magnetic sensor enabling it to operate almost wear-free. This sensor uses the Hall effect, named after Edwin Hall, to measure the strength of magnetic fields. In the Lehle Mono Volume the Hall sensor, which is made in Germany, is accurately calibrated to the built-in magnet and the control range of the pedal. The pedal moves only the magnet, the distance is measured by the Hall sensor which controls a VCA.

A premium Blackmer VCA (= Voltage Controlled Amplifier) from the United States replaces here in this case the mechanical potentiometer. The principle of the voltage-controlled amplifier is based on the fact that gain can be varied by the control voltage coming

from the Hall sensor. This technique allows to operate more precisely than conventional mechanical potentiometers or optical sensors used by the standard volume pedals. In addition the potentiometer-typical noise and the complicated adjustment are eliminated.

Over the entire control range the Lehle Mono Volume transmits the full sound spectrum of the connected instrument. The input and output impedance always stay the same, ensuring that there will be no damping of higher frequencies as with potentiometers.

Internally, the input voltage coming from the power supply socket of the pedal is rectified, then filtered, stabilized and doubled to 18V, thus achieving a total dynamic range of 110 dB.

The volume control of the Lehle Mono Volume ranges from -92 dB to 0 dB - so from a virtually muted level to the same volume. With a potentiometer a gain up to +10 dB boost can be additionally adjusted.

The Lehle Mono Volume runs mechanically extremely smooth and steady, as it is equipped with low-friction bearings of a high-performance polymer, and there is no mechanical transmission of the pedal to other components. By means of an adjusting screw the mobility of the pedal can be modified very precisely.

Furthermore, the Lehle Mono Volume has a buffered direct out which can supply a tuner, DAW or a second amp without affecting the sound.

### **RMI Bassswitch IQ DI AB Switcher, FX Looper, Preamp, Mixer**

The concept for this "swiss army knife for bassplayers" comes from Jacques Ruppert, head of RMI, while the technical part was realized here at Lehle. As a central controller for bass setups it is equipped with a number of features:

- Lehle True Sound Technology
- Input A/B switch with impedance matching for piezo pickups
- Studiograde preamp
- 4-band EQ with double semiparametric mids
- switchable effectsloop with blend/mix control
- switchable effectsloop can also be used as volume boost
- serial effectsloop (non switchable)
- Studiograde D.I.-box with Pad-, Pre/Post- und



groundlift-switch incl Lehle LTMZ transformer for galvanic isolation

- can be used with any power supply 9 to 20 volt AC oder DC
- additional output for tuner
- muteswitch
- extremely robust design with protected controls

The Basswitch IQ DI is manufactured by Lehle in Germany on behalf of RMI.

[www.rmi.lu](http://www.rmi.lu)



### **RMI Acouswitch IQ DI AB Switcher, FX Looper, Preamp, Mixer**

This multifunctional tool for acoustic musicians was conceived by Jacques Ruppert, mastermind of Ruppert Musical Instruments (RMI) and engineered by Lehle. It is a high end preamp in 2 channel design, with A/B switch for 2 instruments, a switchable parallel loop, a tuner-mute function and a DI out which is isolated by a Lehle transformer. As a special feature the Acouswitch, which serves as a central controller for acoustic setups, it has a body-contour-control to suit every musical environment: on the one hand a narrow notchfilter to reduce feedback with a frequency range of 45 Hz - 500 Hz, on the other hand it can boost a broad band of low to low-mid frequencies to make the sound fatter or make small speaker cabinets sound bigger.

- The Acouswitch IQ DI features:
- Lehle True Sound Technology
- Input-A/B-switch with option to mix both signals
- Studiograde preamp
- 3-band EQ with semiparametric mids from 100 Hz to 6 kHz
- Body-Contour-Control can be used as notchfilter or variable low mid boost
- switchable effectsloop with blend/mix control
- switchable effectsloop can also be used as volume boost
- serial effectsloop (non switchable)
- Studiograde D.I.-box with Pad-, Pre/Post- und groundlift-switch incl Lehle LTMZ transformer for galvanic isolation
- can be used with any power supply 9 to 20 volt AC oder DC
- additional output for tuner

- muteswitch
- extremely robust design with protected controls

The Acouswitch IQ DI is manufactured by Lehle in Germany on behalf of RMI.  
www.rmi.lu



### **RMI Acouswitch Junior AB Switcher, FX Looper, Preamp**

The Acouswitch Junior is a compact multi-functional tool for musicians who perform on stage with electric instruments as well as with acoustic ones and wish to use the same effects for both with one pedal board. With two separately controllable high impedance inputs it becomes the control center within the electric and acoustic setup.

The control over which signal is sent to the PA or the amp remains with the musician, without re-plugging cables. It does not matter whether you're using it for acoustic music only or for a combination of both electric and acoustic instruments, the Acouswitch Junior is designed for both alternatives.

The Junior features an active DI Out (XLR) and a line-out jack as selectable outputs.

To allow universal usage, the A/B switch can be configured individually, depending on the setup: For example, in one configuration line- and XLR output can be mutually muted, depending on the input being used. Toggling between the inputs is just as possible as mixing them together. For a purely acoustic setup the outputs can be always activated, too.

In addition to the 4-band EQ for channel A, the Acouswitch Junior has a serial effects loop, a tuner-out output with mute function and a built-in clean boost effect. Effects loop, mute function and boost can be managed via the mute / loop boost footswitch in various combinations.

The proven Lehle True Sound Technology with familiar features like the discrete JFET-input stage, or switching via gold-plated relays make sure that the Acouswitch Junior provides an excellent sound.

Internally the Junior also works with 18V, but nevertheless is content with all power supplies from 9 to 15V AC or DC. The extremely robust design with protected controllers and the almost indestructible

switching mechanism provide many years of fun while playing with acoustic and electric setups.

### **Lehle Parallel L AB Switcher, ABY Switcher, FX Looper, Mixer**



The Lehle Parallel is a compact and versatile line mixer to meet demanding tonal standards. The Lehle Parallel mixes the signals from effect units into the original signal, either before the amp or inserted into its effects loop. Send and return levels can be adjusted separately, and level relative to the original signal optimally selected using the mix controller. The send and return paths can, of course, be operated both balanced and unbalanced. The great dynamic range of the Lehle Parallel makes it possible to mix into the guitar signal a 19" studio effect with its low-impedance line level, for example, or to insert effects pedals level-adjusted via the amp's effects loop.

Thanks to their JFET technology, the Lehle Parallel's inputs can handle both high-impedance signals from electric guitars and basses or acoustic instruments, and low-impedance signals from keyboards and active electric guitars and basses – with a broad output range extending from 20 to 100,000 Hz. To exploit the dynamics of tube amplifiers to the full, the input voltage is rectified from the power supply socket, then filtered, stabilized and doubled to 18V.

The Lehle Parallel is available in two versions, the Lehle Parallel L, featuring a True-Bypass switch with gold-plated contacts, and the Lehle Parallel M, a straight mixer. Both are fed from a 9V (PP3) battery and protected by an ultra-robust housing of 1.5 mm thick steel sheet.

### **Lehle D.Loop SGoS AB Switcher, ABC Switcher, FX Looper**



The Lehle D.Loop SGoS – recommended as the centerpiece of your pedal-board management system, a programmable double looper that takes inactive effects out of the signal path. The loops can be used independently of each other. An adjustable buffer is additionally available in every situation and - because not all effect pedals have a volume controller - can even be used to boost them when necessary. The high-end buffer boost has gain margins of up to 12dB and can also be used separately!

The jack sockets and internal signal routing are entirely stereo, to permit full-quality use of studio, 19" and stereo effect-pedal units, too. This is assured by the True Bypass characteristics of the Lehle switchers and their gold-plated-contact relays. The signal ground is also switched, to eliminate hum in your effect loops, and a pop-and-click suppression circuit avoids annoying switching noise.

Programming is as easy and as intuitive as you would expect from Lehle products, whether via remote, using MIDI program change commands, as a stand-alone unit, or combined with other SGoS switchers. One very popular combination is to use the Lehle D.Loop SGoS with the Lehle Dual SGoS - they can mutually monitor and control each other, and manage effects and amps. And a simple stereo patch cable is all you need to hit just the right tone!

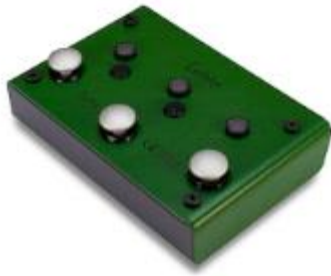


### **Lehle Dual SGoS AB Switcher, ABY Switcher, Splitter**

The Lehle Dual SGoS is the second evolutionary stage of the highly successful programmable switcher for two amps plus tuner. This unit makes it possible to play through two amplifiers individually or simultaneously, either as a stand-alone unit or in a network with other Lehle SGoS switchers. A particularly popular combination is the Lehle Dual SGoS with the Lehle D.Loop SGoS. Programming is as easy and intuitive as you would expect from a Lehle product, and can also be done remotely, using MIDI program change commands.

Hum loops are completely excluded, thanks to electrical isolation of outputs A and B by the Lehle LTHZ high-end transformer. Gold-plated-contact relays, ground switches and phase inverters assure the full, loss-free guitar sound. The potentiometers are in the signal path when output A and B are active simultaneously, and the volume of the two amps can be balanced - producing a third sound you've never heard before! Output T, basically intended for instrument tuners, can also be used for a third amp or for a second channel for amp B, opening up even more potentials.

The gold-plated-contact relays feature active pop-and-click suppression, outputs A and B can be muted for undisturbed instrument tuning. Welcome to the new Duality!



### **Lehle 3at1 SGoS AB Switcher, ABC Switcher**

There can't be anyone, anywhere, who doesn't know what a drag it can be swapping cables when changing instruments during a gig! So eliminate it - with the Lehle 3at1 SGoS! This True Bypass pedal switches the signals from magnetic and piezo pick-ups just as free of losses and background noise as it does line signals. The secret is in its gold-plated-contact relays and its active pop-and-click suppression. Any differences in level can be ironed out, and Outputs A and B lowered relative to C.

You can also feed signals from totally different sound sources, such as keyboards and CD/MP3 players, to an amp or a PA channel. All inputs and outputs, plus the internal signal path, are stereo. Press the active footswitch again to route the signal to the second output, and thus to an instrument tuner, another amp, or a mixing console channel.

The Lehle 3at1 SGoS can be remote controlled using MIDI program change commands. You can also network the unit with other Lehle SGoS switchers via a stereo jack socket.



### **Lehle 1at3 SGoS AB Switcher, ABY Switcher, ABC Switcher, FX Looper**

The Lehle 1at3 SGoS is a programmable True Bypass switcher that lets you switch backwards and forwards between up to three amplifiers, when you want, as often as you want.

In combination with jack socket C→B, output C can also be used alternatively as an effect loop for amp B, excluding all the effects you don't currently need from the signal path. A tuner can also be connected to output A, taking it, too, out of the signal chain. The gold-plated-contact relays feature active pop-and-click suppression, and switch not only the signal, but also the signal ground, making hum loops impossible when switching back and forth between outputs A, B and C.

Like all members of the SGoS family, the Lehle 1at3 SGoS can also be programmed unbelievably easily and intuitively. The slender, TRS format remote socket assists with programming, and can be used, via a stereo patch cable, to communicate with other SGoS switchers, or for direct contact with MIDI controllers.

The Lehle 1at3 SGoS can be programmed as a stand-alone unit, or remote controlled using MIDI program change commands.



### **Lehle Little Dual AB Switcher, ABY Switcher, Splitter**

The Lehle Little Dual is the Lehle Dual SGoS's little sister, a maximum signal-fidelity amp switcher for two amps. Both amps are activated simultaneously using the left footswitch, while the right is used to switch back and forth between them. High-intensity LEDs make it easy to read off switching state A or B, or A and B, even under high-power spots.

The centerpiece of the Lehle Little Dual is its high-end Lehle LTHZ transformer, which electrically isolates output A from output B, making history of hum loops - permanently! The Lehle Little Dual features a gold-plated-contact phase inverter and a gold-plated-contact ground switch. The two inputs can also be routed in stereo to outputs A and B, if you use the stereo signal of an effect unit as the input, for example. This also makes it possible to route instruments equipped with two pick-ups, including many acoustic and hybrid guitars, and also double basses, via two amplifier systems - with no complications. These systems can be operated either in alternation or in parallel - without hum, and without sound losses, needless to say! The Lehle Little Dual - small, but so utterly effective!



### **Little Lehle II AB Switcher, FX Looper**

The Little Lehle II - the universal Lehle switching and looping tool.

The Little Lehle II removes effect pedals from the signal path at the press of its button. A signal can be picked off at any point in the signal chain, to switch to an instrument tuner, for example.

The Little Lehle II can also be used to switch between two instruments on one amp or, vice versa, between two amps with one instrument. Extremely diverse sound sources are possible - signals from pick-ups, microphones and keyboard line-out sockets are routed loss-free to the target amplifier or recorders, and all jack sockets are stereo. Switches with gold-plated contacts assure True Bypass. As on this unit's "big brother", the Lehle D.Loop SGoS, not only the stereo

signal, but also the signal ground, is switched - so it's goodbye to hum when switching between two amps, and selecting effect loops - it just can't happen any more!

The easy-action mushroom-shaped button characteristic of Lehle products is mounted in the cover, so that your foot pressure is transmitted indirectly, via only a spring, to the slide switch with its gold-plated contacts. The electronics board is thus not exposed to mechanical loads, making the Little Lehle II virtually indestructible and guaranteeing years of trouble-free switching.