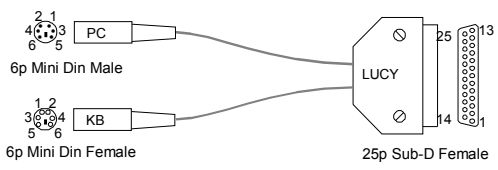


Shannon Electronics

LUCY accessories catalogue

June 2004

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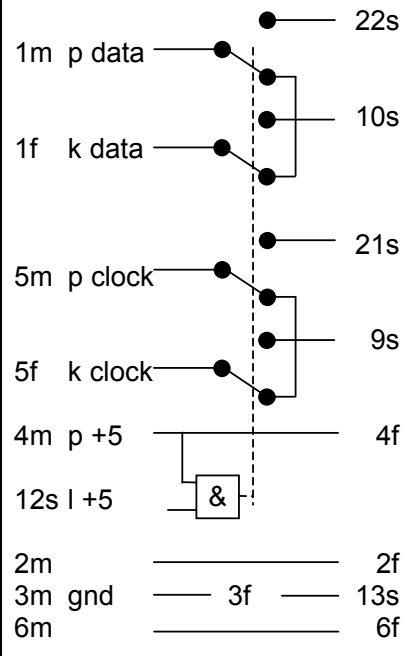


This cable is used when LUCY is connected to a PC with standard keyboard. LUCY must be connected to an external power adapter. With this cable the PC can be switched on or off safely, even when the power adapter remains switched on. When both the PC and power adapter are on, the PC can be operated with LUCY and the keyboard simultaneously. When the power adapter is switched off, or when the Sub-D connector is disconnected from LUCY, the PC can be operated with the normal keyboard. Note that the keyboard must always be connected to ensure proper operation. When using a PC and keyboard with 5p Din connectors, adapters A1 and A2 are needed.

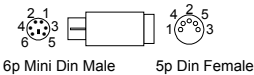
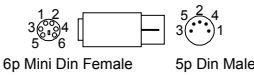
Note that this special cable has a black shell to distinguish it from cable type C5 with an ivory shell.

Article code: C7

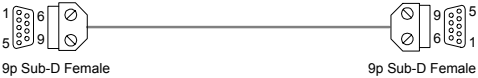
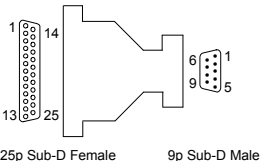
p= pc, k= kb, l= lucy
 m= male 6p, f= female 6p,
 s= sub-d





PC keyboard adapters

 <p>6p Mini Din Male 5p Din Female</p> <p>This adapter is needed when cable C1 is used to connect LUCY to a PC with a 6p Mini Din keyboard connector. To connect the keyboard, use adapter A2.</p> <p>Article code: A1</p>	<p>Wiring:</p> <ol style="list-style-type: none"> 1. Data2 2. n.c. 3. GND4 4. +5V5 5. Clock1 6. n.c.
 <p>6p Mini Din Female 5p Din Male</p> <p>This adapter is needed when cable C2 is used to connect LUCY to a PC with a 5p Din keyboard connector, or when using cable C1, to connect a keyboard with a 6p Mini Din connector.</p> <p>Article code: A2</p>	<p>Wiring:</p> <ol style="list-style-type: none"> 1. Data2 2. n.c. 3. GND4 4. +5V5 5. Clock1 6. n.c.

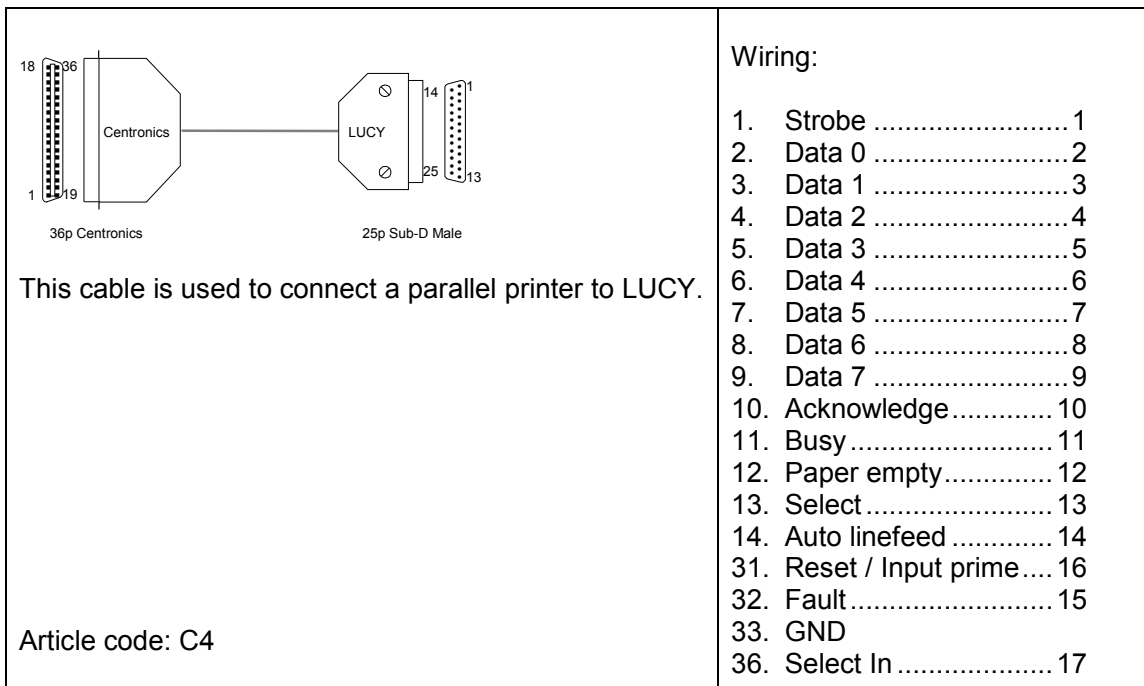
PC serial cable

 <p>This cable is used to connect LUCY to the PC serial port, to enable mouse emulation and Macro transfer.</p> <p>Article code: C6</p>	<p>Wiring:</p> <p>2. RXD.....TXD 3 3. TXD.....RXD 2 5. GNDGND 5 7. RTS.....CTS 8 8. CTS.....RTS 7 4.] [4 6.] [6 shell shield shell</p>
 <p>This adapter must be used to connect cable C3 to a PC with a 25p Sub-D Male serial connector.</p> <p>Article code: A3</p>	<p>Wiring:</p> <p>2.3 3.2 4.7 5.8 6.6 7.5 8.1 20.4 22.9</p>


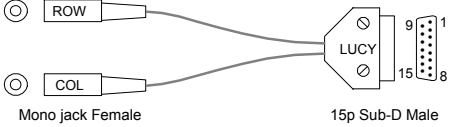
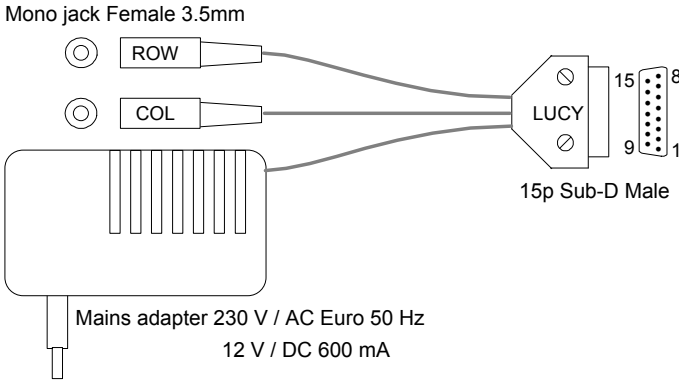
GEWA Prog serial cable

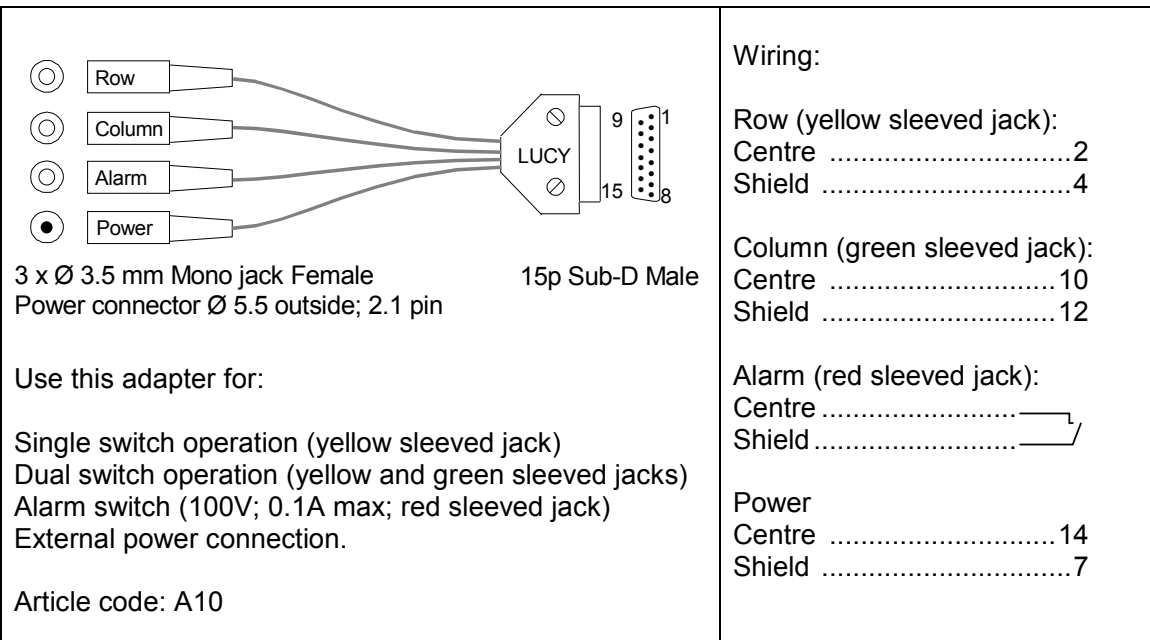
 <p>This cable is used to connect LUCY to a GEWA Prog III or GEWA Prog II module. When using this cable, no external power adapter is needed for the GEWA Prog.</p> <p>Article code: C8</p>	<p>Wiring:</p> <p>1. n.c 2. n.c. 3. TXD.....2 4. GND5 5. RXD3 6. n.c. 7. Vsupp  4 8. n.c</p>
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Printer cable




Switch and mains adapters

 <p>Mono jack Female</p> <p>15p Sub-D Male</p> <p>This adapter cable is used to connect a standard single switch with Ø3,5 mm mono jack to the LUCY power connector for scanner operation.</p> <p>Article code: A6</p>	<p>Wiring:</p> <p>Centre2 Shield4</p>
 <p>Mono jack Female</p> <p>15p Sub-D Male</p> <p>This adapter cable is used to connect two standard switches with Ø3,5 mm mono jack to the LUCY power connector for dual switch operation. Use the yellow sleeved jack for single switch operation.</p> <p>Article code: A8</p>	<p>Wiring:</p> <p>Row (yellow sleeved jack): Centre2 Shield4</p> <p>Column: Centre 10 Shield 12</p>
 <p>Mono jack Female 3.5mm</p> <p>Mains adapter 230 V / AC Euro 50 Hz 12 V / DC 600 mA</p> <p>15p Sub-D Male</p> <p>The mains adapter is used to power LUCY, when no PC is used. Also, this adapter cable is used to connect two standard switches with Ø3,5 mm mono jack to the LUCY power connector for dual switch operation. Use the yellow sleeved jack for single switch operation.</p> <p>Article code: A9</p>	<p>Wiring:</p> <p>Row (yellow sleeved jack): Centre2 Shield4</p> <p>Column: Centre 10 Shield 12</p> <p>Adapter -7 Adapter + 14</p>



Laser pointer

 <p>Article code: LASER</p>	<p>Pointing device for LUCY or LTS. Is shipped including 2 rechargeable batteries and charger.</p>
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Lightspot - Touch Switch

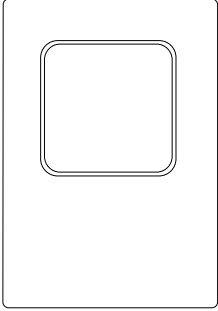

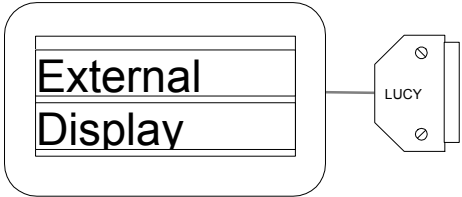
 <p>Article code: LTS</p>	<p>Single, stand-alone switch. Can be operated by lightspot or finger touch. Drives a relay or low-voltage electronic circuit.</p> <p>Size: 70 x 50 x 30 mm Power: 4,5 to 35 V DC Output: Open collector 35V 200mA. On/Off or toggle action selectable Technical documentation available.</p>
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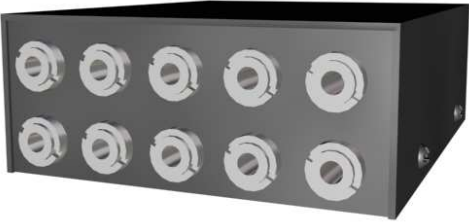
Table Stand

 <p>Article code: Table Stand</p>	<p>Table stand for LUCY.</p> <p>Adjustment of height and angle with one handle.</p> <p>Minimum height from table: 2 cm Maximum height from table: 19 cm</p> <p>Anodised Aluminium.</p>
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External Display

 <p>Article code: DISPLAY</p>	<p>Display with large characters. Four lines of 20 characters each. Connects to LUCY MS-DOS port. Mimics the action of the internal display. Offers improved legibility for users with diminished eyesight.</p>
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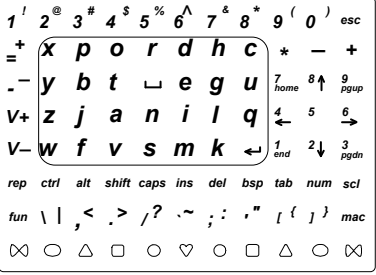
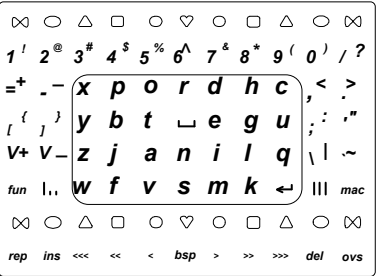
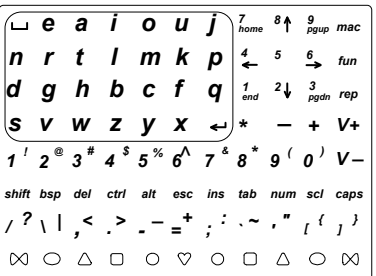
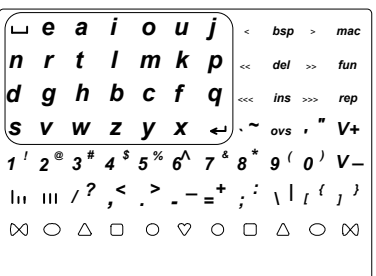
Mitch

 <p>Article code: MITCH</p>	<p>For people who can't use a normal computer mouse, Mitch is an alternative. With Mitch all mouse functions are controlled by switches. Up to ten switches can be connected to Mitch. Four of them are used to send the mouse pointer up, down, left or right, two switches control the left and right mouse buttons, two switches are used to replace the scroll wheel and the last two switches can be programmed as middle mouse button, drag lock or double click.</p>
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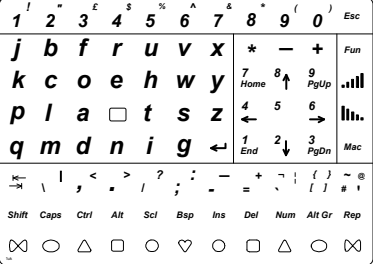
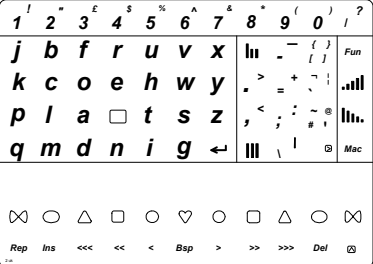
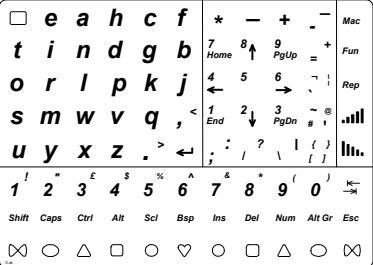
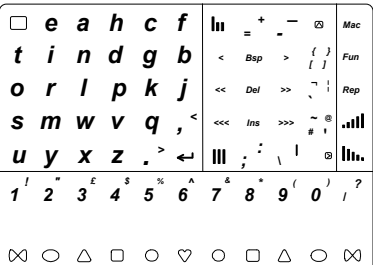
Cable and adapter overview for LUCY

Input Output	Laserpointer	Mouse / Trackball	Joystick / Five-switch	Single switch
PC with keyboard	Overlay 1, C1 or C5, C6, laser	Overlay 1, C1 or C5, C6	Overlay 1, C1 or C5, C6, A5	Overlay 3, C1 or C5, C6, A6
PC without keyboard	Overlay 1, C2, C6, laser	Overlay 1, C2, C6	Overlay 1, C2, C6, A5	Overlay 3, C2, C6, A6
Printer	Overlay 2, C4, A9, laser	Overlay 2, C4, A9	Overlay 2, C4, A4, A9	Overlay 4, C4, A9
Voice output device	Overlay 2, A9, laser	Overlay 2, A9	Overlay 2, A4 or A5, A9	Overlay 4, A9

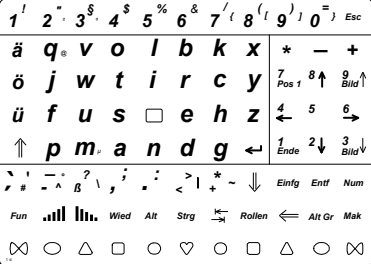
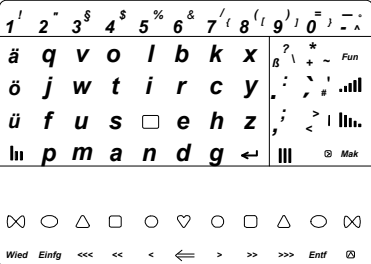
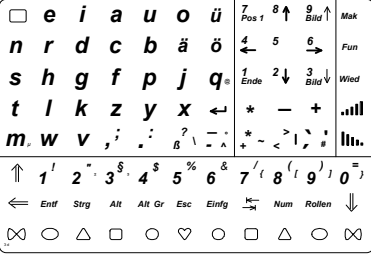
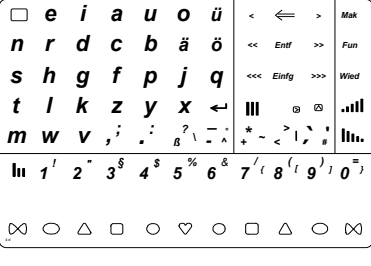
Overlays Dutch

 <p>Diagram of Overlay 1 keyboard layout. The top row shows function keys 1-9 and 0, and the esc key. The second row shows letters x, p, o, r, d, h, c, *, -, +. The third row shows letters y, b, t, e, g, u, home, pgup. The fourth row shows letters z, j, a, n, i, l, q, end, pgdn. The fifth row shows letters w, f, v, s, m, k, and arrow keys. The bottom section lists various control keys: rep, ctrl, alt, shift, caps, ins, del, bsp, tab, num, scl, fun, \ , < . > / ? ~ ; : , " [{] } mac, and a set of symbols: ☒ ○ △ □ ○ ♥ ○ □ △ ○ ☒.</p>	<p>Overlay 1</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and MS-DOS PC.</p> <p>Can be used with printer or voice output device.</p> <p>Article code: O1NL</p>
 <p>Diagram of Overlay 2 keyboard layout. The top row shows symbols: ☒ ○ △ □ ○ ♥ ○ □ △ ○ ☒. The second row shows function keys 1-9 and 0, and / ? keys. The third row shows letters x, p, o, r, d, h, c, < , >. The fourth row shows letters y, b, t, e, g, u, ; : , " [{] } mac. The fifth row shows letters z, j, a, n, i, l, q, \ ~. The sixth row shows letters w, f, v, s, m, k, and arrow keys, and fun, , , , mac. The bottom section lists control keys: rep, ins, <<<, <<, <, bsp, >, >>, >>>, del, ovs.</p>	<p>Overlay 2</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O2NL</p>
 <p>Diagram of Overlay 3 keyboard layout. The top row shows letters e, a, i, o, u, j, home, pgup, mac. The second row shows letters n, r, t, l, m, k, p, fun. The third row shows letters d, g, h, b, c, f, q, end, pgdn, rep. The fourth row shows letters s, v, w, z, y, x, *, -, +, V+. The fifth row shows function keys 1-9 and 0, and V- key. The bottom section lists control keys: shift, bsp, del, ctrl, alt, esc, ins, tab, num, scl, caps, / ? \ , < . > - - = + ; : ~ , " [{] }.</p>	<p>Overlay 3</p> <p>Recommended for use with single switch control and MS-DOS PC.</p> <p>Can be used with printer or voice output device.</p> <p>Article code: O3NL</p>
 <p>Diagram of Overlay 4 keyboard layout. The top row shows letters e, a, i, o, u, j, < bsp > mac. The second row shows letters n, r, t, l, m, k, p, << del >> fun. The third row shows letters d, g, h, b, c, f, q, <<< ins >>> rep. The fourth row shows letters s, v, w, z, y, x, ~ ovs , " V+. The fifth row shows function keys 1-9 and 0, and V- key. The bottom section lists control keys: , , , / ? , < . > - - = + ; : \ [{] }.</p>	<p>Overlay 4</p> <p>Recommended for use with single switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O4NL</p>
<p>Manual Dutch EPROM Dutch</p>	<p>Article code: MNL Article code: ENL</p>

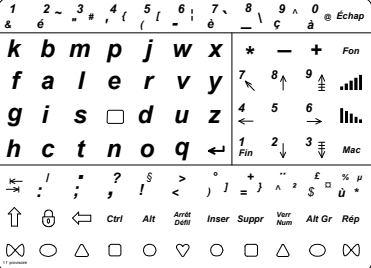
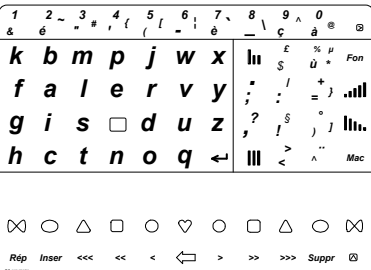
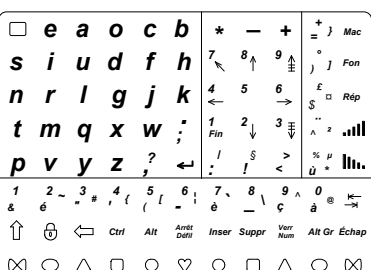
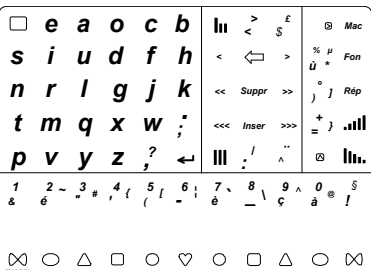
Overlays UK English

	<p>Overlay 1</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and MS-DOS PC. Can be used with printer or voice output device.</p> <p>Article code: O1UK</p>
	<p>Overlay 2</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O2UK</p>
	<p>Overlay 3</p> <p>Recommended for use with single switch control and MS-DOS PC. Can be used with printer or voice output device.</p> <p>Article code: O3UK</p>
	<p>Overlay 4</p> <p>Recommended for use with single switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O4UK</p>
<p>Manual English EPROM English</p>	<p>Article code: MUK Article code: EUK</p>

Overlays German

 <p>1[!] 2[~] 3[§] 4[§] 5[%] 6^{&} 7[/] 8⁽ 9⁾ 0⁼ Esc</p> <p>ä q v o l b k x * - +</p> <p>ö j w t i r c y ⁷Pos 1 ⁸↑ ⁹Bild↑</p> <p>ü f u s □ e h z ⁴← ⁵→ ⁶→</p> <p>↑ p m a n d g ¹Ende ²↓ ³Bild↓</p> <p>Fun ¹ ² ³ Wied Alt Strg ⁴↵ Rollen ← Alt Gr Mak</p> <p>☒ ○ △ □ ○ ♥ ○ □ △ ○ ☒</p>	<p>Overlay 1</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and MS-DOS PC.</p> <p>Can be used with printer or voice output device.</p> <p>Article code: O1DL</p>
 <p>1[!] 2[~] 3[§] 4[§] 5[%] 6^{&} 7[/] 8⁽ 9⁾ 0⁼ - [~] [^]</p> <p>ä q v o l b k x [?] \ [*] [~] Fun</p> <p>ö j w t i r c y [:] ['] [#] </p> <p>ü f u s □ e h z [;] ['] ^{>} ^{<} </p> <p> p m a n d g [←] [⊗] Mak</p> <p>☒ ○ △ □ ○ ♥ ○ □ △ ○ ☒</p> <p>Wied Einfg <<< << < ← > >> >>> Entf ⊗</p>	<p>Overlay 2</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O2DL</p>
 <p>□ e i a u o ü ⁷Pos 1 ⁸↑ ⁹Bild↑ Mak</p> <p>n r d c b ä ö ⁴← ⁵→ ⁶→ Fun</p> <p>s h g f p j q ¹Ende ²↓ ³Bild↓ Wied</p> <p>t l k z y x [←] * - + </p> <p>m w v , ; : [?] \ ⁻ [^] * ~ < > ['] [#] </p> <p>↑ 1[!] 2[~] 3[§] 4[§] 5[%] 6^{&} 7[/] 8⁽ 9⁾ 0⁼</p> <p>← Entf Strg Alt Alt Gr Esc Einfg [↵] Num Rollen ↓</p> <p>☒ ○ △ □ ○ ♥ ○ □ △ ○ ☒</p>	<p>Overlay 3</p> <p>Recommended for use with single switch control and MS-DOS PC.</p> <p>Can be used with printer or voice output device.</p> <p>Article code: O3DL</p>
 <p>□ e i a u o ü < ← > Mak</p> <p>n r d c b ä ö << Entf >> Fun</p> <p>s h g f p j q <<< Einfg >>> Wied</p> <p>t l k z y x [←] [⊗] [⊗] </p> <p>m w v , ; : [?] \ ⁻ [^] * ~ < > ['] [#] </p> <p> 1[!] 2[~] 3[§] 4[§] 5[%] 6^{&} 7[/] 8⁽ 9⁾ 0⁼</p> <p>☒ ○ △ □ ○ ♥ ○ □ △ ○ ☒</p>	<p>Overlay 4</p> <p>Recommended for use with single switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O4DL</p>
<p>Manual German EPROM German</p>	<p>Article code: MDL Article code: EDL</p>

Overlays French

	<p>Overlay 1</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and MS-DOS PC.</p> <p>Can be used with printer or voice output device.</p> <p>Article code: O1FR</p>
	<p>Overlay 2</p> <p>Recommended for use with lightspot, mouse, trackball, joystick or five-switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O2FR</p>
	<p>Overlay 3</p> <p>Recommended for use with single switch control and MS-DOS PC.</p> <p>Can be used with printer or voice output device.</p> <p>Article code: O3FR</p>
	<p>Overlay 4</p> <p>Recommended for use with single switch control and printer or voice output device. Cannot be used with MS-DOS PC.</p> <p>Article code: O4FR</p>
<p>Manual French EPROM French</p>	<p>Article code: MFR Article code: EFR</p>