

**T4T - Technology for Trains GmbH CV8=20****Model Family Min CV7 value Max CV7 value Internal ID****TCH Technology CV8=54****Model Family Min CV7 value Max CV7 value Internal ID****Tam Valley Depot CV8=59**

| Model        | Family       | Min CV7 value | Max CV7 value | Internal ID |
|--------------|--------------|---------------|---------------|-------------|
| Quad-LN      | Quad-LN      | 5             |               |             |
| Quad-LNv1    | Quad-LN gen2 | 5             |               |             |
| Quad-LN_S_v1 | Quad-LN_S    | 6             |               |             |

**Tams Elektronik GmbH CV8=62**

| Model         | Family                   | Min CV7 value | Max CV7 value | Internal ID |
|---------------|--------------------------|---------------|---------------|-------------|
| FD-LED        | Function decoders (FD)   |               |               | FD-LED      |
| FD-R Basic    | Function decoders (FD)   |               |               | FD-R-B      |
| FD-R Basic 2  | Function decoders (FD)   |               |               | FD-R-B2     |
| FD-R Extended | Function decoders (FD)   |               |               | FD-R-Ext    |
| LD-G-21       | Standard Decoder         | 10            | 10            |             |
| LD-G-32       | Multiprotocol Decoder    | 10            | 10            |             |
| LD-G-32.2     | Multiprotocol Decoder    | 23            | 23            |             |
| WIB-31        | Digital LED Boards (WIB) | 14            |               | WIB-31      |
| WIB-32        | Digital LED Boards (WIB) | 14            |               | WIB-32      |
| WIB-33        | Digital LED Boards (WIB) | 14            |               | WIB-33      |

**Tawcrafts CV8=92****Model Family Min CV7 value Max CV7 value Internal ID****Team Digital, LLC CV8=25**

| Model   | Family             | Min CV7 value | Max CV7 value | Internal ID |
|---------|--------------------|---------------|---------------|-------------|
| BlocD8  | BlocD8             | 1             |               |             |
| CSC     | CSC Family         | 10            |               |             |
| CSCe    | CSC Family         | 10            |               |             |
| SC8     | Stationary Decoder | 1             |               |             |
| SC82    | Stationary Decoder | 1             |               |             |
| SHD2    | Stationary Decoder | 1             |               |             |
| SIC24   | SIC24              | 12            |               |             |
| SIC24AD | SIC24AD            | 10            |               |             |
| SIC24e  | SIC24e             | 10            |               |             |
| SMC4    | Stationary Decoder | 1             |               |             |
| SMD2    | Stationary Decoder | 1             |               |             |
| SMD8    | Stationary Decoder | 52            |               |             |
| SMD82   | Stationary Decoder | 1             |               |             |
| SMD84   | Stationary Decoder | 1             |               |             |
| SRC16   | Stationary Decoder | 1             |               |             |

|          |                    |    |
|----------|--------------------|----|
| SRC162   | Stationary Decoder | 1  |
| SRC8     | SRC8               | 12 |
| Servette | Stationary Decoder | 1  |

### **Tehnologicistic (train-O-matic) CV8=78**

| <b>Model</b>               | <b>Family</b> | <b>Min CV7 value</b> | <b>Max CV7 value</b> | <b>Internal ID</b> |
|----------------------------|---------------|----------------------|----------------------|--------------------|
| Lokommander Mini           | Lokommander   | 23                   | 255                  |                    |
| Lokommander Micro          | Lokommander   | 10                   | 255                  |                    |
| NMJ Skd 224                | Lokommander   | 1                    | 255                  |                    |
| Shine Plus Midi Digi       | Shine Plus    | 0                    | 255                  |                    |
| Shine Plus Maxi Digi       | Shine Plus    | 0                    | 255                  |                    |
| NMJ B3-Series DCC Lighting | Shine Plus    | 4                    | 255                  |                    |
| NMJ B7-Series DCC Lighting | Shine Plus    | 3                    | 255                  |                    |

### **The Electric Railroad Company CV8=73**

| <b>Model</b> | <b>Family</b> | <b>Min CV7 value</b> | <b>Max CV7 value</b> | <b>Internal ID</b> |
|--------------|---------------|----------------------|----------------------|--------------------|
|--------------|---------------|----------------------|----------------------|--------------------|

### **Throttle-Up (SoundTraxx) CV8=141**

| <b>Model</b> | <b>Family</b> | <b>Min CV7 value</b> | <b>Max CV7 value</b> | <b>Internal ID</b> |
|--------------|---------------|----------------------|----------------------|--------------------|
|--------------|---------------|----------------------|----------------------|--------------------|

### **Train Control Systems CV8=153**

| <b>Model</b> | <b>Family</b>    | <b>Min CV7 value</b> | <b>Max CV7 value</b> | <b>Internal ID</b> |
|--------------|------------------|----------------------|----------------------|--------------------|
| A1           | Jan 2000         | 161                  | 161                  |                    |
| A1           | TCS A1 decoder   | 161                  | 161                  |                    |
| A1X          | Jan 2000         | 32                   |                      |                    |
| A1X          | TCS A1X decoder  | 32                   |                      |                    |
| DP2X         | TCS DP2X decoder |                      |                      |                    |
| DP2X-UK      | TCS DP2X decoder |                      |                      |                    |
| A4X          | Jan 2000         | 1                    | 40                   | 4                  |
| A6X          | Jan 2000         | 1                    | 40                   | 5                  |
| ALD4         | Jan 2000         | 1                    | 40                   | 19                 |
| AMD4         | Jan 2000         | 1                    | 40                   | 20                 |
| ASD4         | Jan 2000         | 1                    | 40                   | 21                 |
| CN           | Jan 2000         | 1                    | 40                   | 22                 |
| CN-GP        | Jan 2000         | 1                    | 40                   | 23                 |
| DP2X         | Jan 2000         | 1                    | 40                   | 1                  |
| DP2X-UK      | Jan 2000         | 1                    | 40                   | 2                  |
| DP5          | Jan 2000         | 1                    | 40                   | 3                  |
| EU621        | Jan 2000         | 1                    | 40                   | 44                 |
| EUN651       | Jan 2000         | 1                    | 40                   | 24                 |
| G8           | Jan 2000         | 1                    | 40                   | 18                 |
| IMD4         | Jan 2000         | 1                    | 40                   | 33                 |
| IMF4         | Jan 2000         | 1                    | 40                   | 34                 |
| IMFP4        | Jan 2000         | 1                    | 40                   | 35                 |

|          |           |    |    |    |
|----------|-----------|----|----|----|
| IMFTA4   | Jan 2000  | 1  | 40 | 36 |
| IMFTB4   | Jan 2000  | 1  | 40 | 37 |
| K0D8-A   | Jan 2000  | 1  | 40 | 25 |
| K0D8-B   | Jan 2000  | 1  | 40 | 26 |
| K0D8-C   | Jan 2000  | 1  | 40 | 27 |
| K0D8-D   | Jan 2000  | 1  | 40 | 28 |
| K1D4     | Jan 2000  | 1  | 40 | 29 |
| K1D4-NC  | Jan 2000  | 1  | 40 | 30 |
| K2D4     | Jan 2000  | 1  | 40 | 31 |
| K3D3     | Jan 2000  | 1  | 40 | 32 |
| LL8      | Jan 2000  | 1  | 40 | 43 |
| M1       | Jan 2000  | 1  | 40 | 8  |
| M1P-15   | Jan 2000  | 1  | 40 | 9  |
| M3       | Jan 2000  | 1  | 40 | 10 |
| M4       | Jan 2000  | 1  | 40 | 11 |
| M4T      | Jan 2000  | 1  | 40 | 42 |
| MC2      | Jan 2000  | 1  | 40 | 12 |
| MC4      | Jan 2000  | 1  | 40 | 13 |
| MP-15N   | Jan 2000  | 1  | 40 | 38 |
| MZA4     | Jan 2000  | 1  | 40 | 40 |
| T1       | Jan 2000  | 1  | 40 | 14 |
| T4X      | Jan 2000  | 1  | 40 | 16 |
| T6X      | Jan 2000  | 1  | 40 | 17 |
| VO-1000N | Jan 2000  | 1  | 40 | 39 |
| Z2       | Jan 2000  | 1  | 40 | 41 |
| A4X      | June 2007 | 41 | 51 | 4  |
| A6X      | June 2007 | 41 | 51 | 5  |
| ALD4     | June 2007 | 41 | 51 | 19 |
| AMD4     | June 2007 | 41 | 51 | 20 |
| ASD4     | June 2007 | 41 | 51 | 21 |
| CN       | June 2007 | 41 | 51 | 22 |
| CN-GP    | June 2007 | 41 | 51 | 23 |
| DP2X     | June 2007 | 41 | 51 | 1  |
| DP2X-UK  | June 2007 | 41 | 51 | 2  |
| DP5      | June 2007 | 41 | 51 | 3  |
| EU621    | June 2007 | 41 | 51 | 44 |
| EUN651   | June 2007 | 41 | 51 | 24 |
| G8       | June 2007 | 41 | 51 | 18 |
| IMD4     | June 2007 | 41 | 51 | 33 |
| IMF4     | June 2007 | 41 | 51 | 34 |
| IMFP4    | June 2007 | 41 | 51 | 35 |
| IMFTA4   | June 2007 | 41 | 51 | 36 |
| IMFTB4   | June 2007 | 41 | 51 | 37 |

|          |           |    |    |    |
|----------|-----------|----|----|----|
| K0D8-A   | June 2007 | 41 | 51 | 25 |
| K0D8-B   | June 2007 | 41 | 51 | 26 |
| K0D8-C   | June 2007 | 41 | 51 | 27 |
| K0D8-D   | June 2007 | 41 | 51 | 28 |
| K0D8-E   | June 2007 | 41 | 51 | 56 |
| K1D4     | June 2007 | 41 | 51 | 29 |
| K1D4-NC  | June 2007 | 41 | 51 | 30 |
| K2D4     | June 2007 | 41 | 51 | 31 |
| K3D3     | June 2007 | 41 | 51 | 32 |
| K4D6     | June 2007 | 41 | 51 | 46 |
| LL8      | June 2007 | 41 | 51 | 43 |
| M1       | June 2007 | 41 | 51 | 8  |
| M1P-15   | June 2007 | 41 | 51 | 9  |
| M3       | June 2007 | 41 | 51 | 10 |
| M4       | June 2007 | 41 | 51 | 11 |
| M4T      | June 2007 | 41 | 51 | 42 |
| MC2      | June 2007 | 41 | 51 | 12 |
| MC4      | June 2007 | 41 | 51 | 13 |
| MP-15N   | June 2007 | 41 | 51 | 38 |
| MZA4     | June 2007 | 41 | 51 | 40 |
| T1       | June 2007 | 41 | 51 | 14 |
| T4X      | June 2007 | 41 | 51 | 16 |
| T6X      | June 2007 | 41 | 51 | 17 |
| VO-1000N | June 2007 | 41 | 51 | 39 |
| Z2       | June 2007 | 41 | 51 | 41 |
| A4X      | Jan 2012  | 86 | 90 | 4  |
| A6X      | Jan 2012  | 86 | 90 | 5  |
| ALD4     | Jan 2012  | 86 | 90 | 19 |
| AMD4     | Jan 2012  | 86 | 90 | 20 |
| AS6      | Jan 2012  | 86 | 90 | 47 |
| ASD4     | Jan 2012  | 86 | 90 | 21 |
| AZL4     | Jan 2012  | 86 | 90 | 61 |
| CN       | Jan 2012  | 86 | 90 | 22 |
| CN-GP    | Jan 2012  | 86 | 90 | 23 |
| DP2X     | Jan 2012  | 86 | 90 | 1  |
| DP2X-UK  | Jan 2012  | 86 | 90 | 2  |
| DP5      | Jan 2012  | 86 | 90 | 3  |
| EU621    | Jan 2012  | 86 | 90 | 44 |
| EU821    | Jan 2012  | 88 | 90 | 65 |
| EUN651   | Jan 2012  | 86 | 90 | 24 |
| G8       | Jan 2012  | 86 | 90 | 18 |
| IMD4     | Jan 2012  | 86 | 90 | 33 |
| IMF4     | Jan 2012  | 86 | 90 | 34 |

|          |          |    |    |    |
|----------|----------|----|----|----|
| IMFP4    | Jan 2012 | 86 | 90 | 35 |
| IMFTA4   | Jan 2012 | 86 | 90 | 36 |
| IMFTB4   | Jan 2012 | 86 | 90 | 37 |
| K0D8-A   | Jan 2012 | 86 | 90 | 25 |
| K0D8-B   | Jan 2012 | 86 | 90 | 26 |
| K0D8-C   | Jan 2012 | 86 | 90 | 27 |
| K0D8-D   | Jan 2012 | 86 | 90 | 28 |
| K0D8-E   | Jan 2012 | 86 | 90 | 56 |
| K1D4     | Jan 2012 | 86 | 90 | 29 |
| K1D4-NC  | Jan 2012 | 86 | 90 | 30 |
| K2D4     | Jan 2012 | 86 | 90 | 31 |
| K3D3     | Jan 2012 | 86 | 90 | 32 |
| K4D6     | Jan 2012 | 86 | 90 | 46 |
| K5D7     | Jan 2012 | 86 | 90 | 59 |
| K6D4     | Jan 2012 | 86 | 90 | 63 |
| K7D4     | Jan 2012 | 86 | 90 | 64 |
| KAM4     | Jan 2012 | 86 | 90 | 55 |
| KAM4-LED | Jan 2012 | 86 | 90 | 57 |
| KAT12    | Jan 2012 | 86 | 90 | 48 |
| KAT14    | Jan 2012 | 86 | 90 | 49 |
| KAT16    | Jan 2012 | 86 | 90 | 50 |
| KAT22    | Jan 2012 | 86 | 90 | 51 |
| KAT24    | Jan 2012 | 86 | 90 | 52 |
| KAT26    | Jan 2012 | 86 | 90 | 53 |
| L1D4     | Jan 2012 | 86 | 90 | 45 |
| LL8      | Jan 2012 | 86 | 90 | 43 |
| LL8-LED  | Jan 2012 | 86 | 90 | 60 |
| M1       | Jan 2012 | 86 | 90 | 8  |
| M1P-15   | Jan 2012 | 86 | 90 | 9  |
| M3       | Jan 2012 | 86 | 90 | 10 |
| M4       | Jan 2012 | 86 | 90 | 11 |
| M4T      | Jan 2012 | 86 | 90 | 42 |
| MC2      | Jan 2012 | 86 | 90 | 12 |
| MC4      | Jan 2012 | 86 | 90 | 13 |
| MP-15N   | Jan 2012 | 86 | 90 | 38 |
| MZA4     | Jan 2012 | 86 | 90 | 40 |
| T1       | Jan 2012 | 86 | 90 | 14 |
| T1A      | Jan 2012 | 86 | 90 | 15 |
| T1-LED   | Jan 2012 | 86 | 90 | 58 |
| T4X      | Jan 2012 | 86 | 90 | 16 |
| T4-LED   | Jan 2012 | 86 | 90 | 54 |
| T6X      | Jan 2012 | 86 | 90 | 17 |
| VO-1000N | Jan 2012 | 86 | 90 | 39 |

|         |                          |    |    |    |
|---------|--------------------------|----|----|----|
| Z2      | Jan 2012                 | 86 | 90 | 41 |
| MT1500  | Jan 2012                 | 86 | 90 | 62 |
| FL2     | TCS FL2 and FL4 Decoders |    |    |    |
| FL4     | TCS FL2 and FL4 Decoders |    |    |    |
| FL2     | Jan 2000                 | 1  | 40 | 6  |
| FL4     | Jan 2000                 | 1  | 40 | 7  |
| FL2     | June 2007                | 41 | 51 | 6  |
| FL4     | June 2007                | 41 | 51 | 7  |
| FL2     | Jan 2012                 | 86 | 88 | 6  |
| FL4     | Jan 2012                 | 86 | 88 | 7  |
| M1_v24  | TCS Mx series decoders   | 24 | 24 |    |
| M1P-UK  | Jan 2000                 | 35 | 37 |    |
| M2      | Jan 2000                 | 29 | 29 |    |
| M1      | TCS Mx series decoders   | 24 | 24 |    |
| M2      | TCS Mx series decoders   | 29 | 29 |    |
| M1P-UK  | TCS Mx series decoders   | 35 | 37 |    |
| TH150DP | TCS 150 series decoders  |    |    |    |
| TH150W  | TCS 150 series decoders  |    |    |    |
| T1      | TCS Tx series decoders   | 16 | 22 |    |
| TH141   | TCS Tx series decoders   | 8  | 9  |    |
| T1x     | TCS Tx series decoders   | 27 |    |    |
| T1_v28+ | TCS Tx series decoders   | 28 | 35 |    |
| M1P-MH  | June 2007                | 41 | 52 |    |
| MC6     | June 2007                | 41 | 52 |    |
| A4X     | TCS V51+                 | 51 | 52 |    |
| A6X     | TCS V51+                 | 51 | 52 |    |
| ALD4    | TCS V51+                 | 51 | 52 |    |
| AMD4    | TCS V51+                 | 51 | 52 |    |
| ASD4    | TCS V51+                 | 51 | 52 |    |
| CN      | TCS V51+                 | 51 | 52 |    |
| CN-GP   | TCS V51+                 | 51 | 52 |    |
| DP2X    | TCS V51+                 | 51 | 52 |    |
| DP2X-UK | TCS V51+                 | 51 | 52 |    |
| DP5     | TCS V51+                 | 51 | 52 |    |
| EU621   | TCS V51+                 | 51 | 52 |    |
| EUN651  | TCS V51+                 | 51 | 52 |    |
| G8      | TCS V51+                 | 51 | 52 |    |
| IMD4    | TCS V51+                 | 51 | 52 |    |
| IMF4    | TCS V51+                 | 51 | 52 |    |
| IMFP4   | TCS V51+                 | 51 | 52 |    |
| IMFTA4  | TCS V51+                 | 51 | 52 |    |
| IMFTB4  | TCS V51+                 | 51 | 52 |    |
| K0D8-A  | TCS V51+                 | 51 | 52 |    |

|                             |                                 |    |    |     |
|-----------------------------|---------------------------------|----|----|-----|
| K0D8-B                      | TCS V51+                        | 51 | 52 |     |
| K0D8-C                      | TCS V51+                        | 51 | 52 |     |
| K0D8-D                      | TCS V51+                        | 51 | 52 |     |
| K1D4                        | TCS V51+                        | 51 | 52 |     |
| K1D4-NC                     | TCS V51+                        | 51 | 52 |     |
| K2D4                        | TCS V51+                        | 51 | 52 |     |
| K3D3                        | TCS V51+                        | 51 | 52 |     |
| LL8                         | TCS V51+                        | 51 | 52 |     |
| M1                          | TCS V51+                        | 51 | 52 |     |
| M1P-15                      | TCS V51+                        | 51 | 52 |     |
| M1P-MH                      | TCS V51+                        | 51 | 52 |     |
| M1P-UK                      | TCS V51+                        | 51 | 52 |     |
| M3                          | TCS V51+                        | 51 | 52 |     |
| M4                          | TCS V51+                        | 51 | 52 |     |
| M4T                         | TCS V51+                        | 51 | 52 |     |
| MC2                         | TCS V51+                        | 51 | 52 |     |
| MC4                         | TCS V51+                        | 51 | 52 |     |
| MC6                         | TCS V51+                        | 51 | 52 |     |
| MP-15N                      | TCS V51+                        | 51 | 52 |     |
| MZA4                        | TCS V51+                        | 51 | 52 |     |
| T1                          | TCS V51+                        | 51 | 52 |     |
| T4X                         | TCS V51+                        | 51 | 52 |     |
| T6X                         | TCS V51+                        | 51 | 52 |     |
| VO-1000N                    | TCS V51+                        | 51 | 52 |     |
| Z2                          | TCS V51+                        | 51 | 52 |     |
| WOW Diesel 101 SS2          | WOW Diesel Sound Set 2          | 2  | 2  | 170 |
| WOW Diesel 121 SS2          | WOW Diesel Sound Set 2          | 2  | 2  | 171 |
| WOW Diesel 501 SS2          | WOW Diesel Sound Set 2          | 2  | 2  | 172 |
| WOW Diesel 101 SS3          | WOW Diesel Sound Set 3          | 3  | 3  | 170 |
| WOW Diesel 121 SS3          | WOW Diesel Sound Set 3          | 3  | 3  | 171 |
| WOW Diesel 501 SS3          | WOW Diesel Sound Set 3          | 3  | 3  | 172 |
| WOW Diesel 101 SS4          | WOW Diesel Sound Set 4          | 4  | 4  | 170 |
| WOW Diesel 121 SS4          | WOW Diesel Sound Set 4          | 4  | 4  | 171 |
| WOW Diesel 501 SS4          | WOW Diesel Sound Set 4          | 4  | 4  | 172 |
| WOW Diesel 101 SS4<br>Prime | WOW Diesel Sound Set 4<br>Prime | 4  | 4  | 170 |
| WOW Diesel 121 SS4<br>Prime | WOW Diesel Sound Set 4<br>Prime | 4  | 4  | 171 |
| WOW Diesel 501 SS4<br>Prime | WOW Diesel Sound Set 4<br>Prime | 4  | 4  | 172 |
| WOW Diesel 101 EMD          | WOW Diesel Sound Set 1<br>EMD   | 1  | 1  | 170 |
| WOW Diesel 121 EMD          | WOW Diesel Sound Set 1<br>EMD   | 1  | 1  | 171 |

|                   |                                      |    |    |     |
|-------------------|--------------------------------------|----|----|-----|
| ACS64             | WOW Electric Sound Set 1<br>Bachmann | 1  | 1  | 220 |
| WOWSound Steam    | WOW Sound                            | 1  | 1  | 61  |
| WOW Sound 100     | WOW Sound                            | 1  | 1  | 61  |
| WOW Sound 101     | WOW Sound Set 2                      | 2  | 2  | 130 |
| WOW Sound 101     | WOW Sound Set 3                      | 3  | 3  | 130 |
| WOW Sound 121     | WOW Sound Set 3                      | 3  | 3  | 131 |
| WOW Sound 501     | WOW Sound Set 3                      | 3  | 3  | 132 |
| WOW Steam 101 SS4 | WOW Steam Sound Set 4                | 4  | 4  | 130 |
| WOW Steam 121 SS4 | WOW Steam Sound Set 4                | 4  | 4  | 131 |
| WOW Steam 501 SS4 | WOW Steam Sound Set 4                | 4  | 4  | 132 |
| AMD1              | Jan 2000                             | 37 | 40 |     |
| DP5X              | Jan 2000                             | 30 | 40 |     |
| MC6               | Jan 2000                             | 30 | 40 |     |
| T5X               | Jan 2000                             | 30 | 40 |     |
| W5X               | Jan 2000                             | 30 | 40 |     |
| A4X               | TCS X Series Decoders                | 30 | 40 |     |
| A6X               | TCS X Series Decoders                | 30 | 40 |     |
| AMD1              | TCS X Series Decoders                | 37 | 40 |     |
| DP5X              | TCS X Series Decoders                | 30 | 40 |     |
| M1                | TCS X Series Decoders                | 36 | 40 |     |
| M1P-15            | TCS X Series Decoders                | 36 | 40 |     |
| M1P-UK            | TCS X Series Decoders                | 36 | 40 |     |
| M3                | TCS X Series Decoders                | 30 | 40 |     |
| M4                | TCS X Series Decoders                | 30 | 40 |     |
| MC2               | TCS X Series Decoders                | 30 | 40 |     |
| MC4               | TCS X Series Decoders                | 30 | 40 |     |
| MC6               | TCS X Series Decoders                | 30 | 40 |     |
| MP-15N            | TCS X Series Decoders                | 30 | 40 |     |
| T1                | TCS X Series Decoders                | 36 | 40 |     |
| T4X               | TCS X Series Decoders                | 30 | 40 |     |
| T5X               | TCS X Series Decoders                | 30 | 40 |     |
| T6X               | TCS X Series Decoders                | 30 | 40 |     |
| VO-1000N          | TCS X Series Decoders                | 30 | 40 |     |
| W5X               | TCS X Series Decoders                | 30 | 40 |     |
| Z2                | TCS Z2 decoder                       | 41 | 50 |     |
| A4X               | TCS X w/BEMF                         | 41 | 51 | 4   |
| A6X               | TCS X w/BEMF                         | 41 | 50 |     |
| ALD4              | TCS X w/BEMF                         | 41 | 50 |     |
| AMD4              | TCS X w/BEMF                         | 41 | 50 |     |
| ASD4              | TCS X w/BEMF                         | 41 | 50 |     |
| 1278              | TCS X w/BEMF                         | 41 | 50 |     |
| CN                | TCS X w/BEMF                         | 41 | 50 |     |
| CN-GP             | TCS X w/BEMF                         | 41 | 50 |     |



|          |                            |    |    |
|----------|----------------------------|----|----|
| DP2X     | TCS X w/BEMF               | 41 | 50 |
| DP2X-UK  | TCS X w/BEMF               | 41 | 50 |
| EUN651   | TCS X w/BEMF               | 41 | 50 |
| DP5      | TCS X w/BEMF               | 41 | 50 |
| G8       | TCS X w/BEMF               | 41 | 50 |
| IMD4     | TCS X w/BEMF               | 41 | 50 |
| IMF4     | TCS X w/BEMF               | 41 | 50 |
| IMFP4    | TCS X w/BEMF               | 41 | 50 |
| IMFTA4   | TCS X w/BEMF               | 41 | 50 |
| IMFTB4   | TCS X w/BEMF               | 41 | 50 |
| K0D8-A   | TCS X w/BEMF               | 41 | 50 |
| K0D8-B   | TCS X w/BEMF               | 41 | 50 |
| K0D8-C   | TCS X w/BEMF               | 41 | 50 |
| K0D8-D   | TCS X w/BEMF               | 41 | 50 |
| K1D4     | TCS X w/BEMF               | 41 | 50 |
| K1D4-NC  | TCS X w/BEMF               | 41 | 50 |
| K2D4     | TCS X w/BEMF               | 41 | 50 |
| K3D3     | TCS X w/BEMF               | 41 | 50 |
| M1       | TCS X w/BEMF               | 41 | 50 |
| M1P-15   | TCS X w/BEMF               | 41 | 50 |
| M1P-MH   | TCS X w/BEMF               | 41 | 50 |
| M1P-UK   | TCS X w/BEMF               | 41 | 50 |
| M3       | TCS X w/BEMF               | 41 | 50 |
| M4       | TCS X w/BEMF               | 41 | 50 |
| MC2      | TCS X w/BEMF               | 41 | 50 |
| MC4      | TCS X w/BEMF               | 41 | 50 |
| MC6      | TCS X w/BEMF               | 41 | 50 |
| MP-15N   | TCS X w/BEMF               | 41 | 50 |
| T1       | TCS X w/BEMF               | 41 | 50 |
| T4X      | TCS X w/BEMF               | 41 | 50 |
| T6X      | TCS X w/BEMF               | 41 | 50 |
| VO-1000N | TCS X w/BEMF               | 41 | 50 |
| Z2       | TCS X w/BEMF               | 41 | 50 |
| MZA4     | TCS X w/BEMF               | 41 | 50 |
| M1       | TCS Mx series decoders old | 24 | 24 |

### Train ID Systems CV8=138

Model Family Min CV7 value Max CV7 value Internal ID

### Train Technology CV8=2

Model Family Min CV7 value Max CV7 value Internal ID

### TrainModules CV8=61

Model Family Min CV7 value Max CV7 value Internal ID

## TrainTech CV8=104

| Model | Family | Min CV7 value | Max CV7 value | Internal ID |
|-------|--------|---------------|---------------|-------------|
|-------|--------|---------------|---------------|-------------|

## Trenes Digitales CV8=100

| Model | Family | Min CV7 value | Max CV7 value | Internal ID |
|-------|--------|---------------|---------------|-------------|
|-------|--------|---------------|---------------|-------------|

## Trix Modelleisenbahn CV8=131

| Model                  | Family        | Min CV7 value | Max CV7 value | Internal ID |
|------------------------|---------------|---------------|---------------|-------------|
| 66838                  | Minitrix      | 65            | 65            |             |
| 66840                  | Minitrix      | 3             | 3             | Trix 66840  |
| Version 1              | Version 1     | 65            | 65            |             |
| Trix_Sound_HO          | Trix_Sound_HO |               |               |             |
| Trix Sound HO          | Trix_Sound_HO |               |               |             |
| Trix_Sound_BB12000     | Trix_Sound_HO |               |               |             |
| Trix Sound HO BB12000  | Trix_Sound_HO | 9             | 9             |             |
| Trix Sound HO BR V160  | Trix_Sound_HO | 7             | 7             | V160        |
| Trix Sound HO BR V41   | Trix_Sound_HO | 7             | 7             | V41         |
| Trix Sound HO BR 41    | Trix_Sound_HO | 7             | 7             | V41         |
| Glasscar               | Trix_Sound_HO |               |               |             |
| Trix Sound HO Glasscar | Trix_Sound_HO | 7             | 7             |             |
| 60942                  | Märklin mLD   | 1             | 2             | 60942       |
| 60962                  | Märklin mLD   | 1             | 2             | 60962       |
| 60972                  | Märklin mLD/3 | 3             | 3             | 60972       |
| 60982                  | Märklin mLD/3 | 3             | 3             | 60982       |
| 60940                  | Märklin mSD   | 1             | 2             | 60940       |
| 60945                  | Märklin mSD   | 1             | 2             | 60945       |
| 60946                  | Märklin mSD   | 1             | 2             | 60946       |
| 60947                  | Märklin mSD   | 1             | 2             | 60947       |
| 60948                  | Märklin mSD   | 1             | 2             | 60948       |
| 60949                  | Märklin mSD   | 1             | 2             | 60949       |
| 60965                  | Märklin mSD   | 1             | 2             | 60965       |
| 60966                  | Märklin mSD   | 1             | 2             | 60966       |
| 60967                  | Märklin mSD   | 1             | 2             | 60967       |
| 60975                  | Märklin mSD/3 | 3             | 3             | 60975       |
| 60976                  | Märklin mSD/3 | 3             | 3             | 60976       |
| 60977                  | Märklin mSD/3 | 3             | 3             | 60977       |
| 60978                  | Märklin mSD/3 | 3             | 3             | 60978       |
| 60979                  | Märklin mSD/3 | 3             | 3             | 60979       |
| 60985                  | Märklin mSD/3 | 3             | 3             | 60985       |
| 60986                  | Märklin mSD/3 | 3             | 3             | 60986       |
| 60987                  | Märklin mSD/3 | 3             | 3             | 60987       |

## Uhlenbrock Elektronik CV8=85

| Model | Family | Min CV7 | Max CV7 | Internal ID |
|-------|--------|---------|---------|-------------|
|-------|--------|---------|---------|-------------|

|                   |                                      | value | value |              |
|-------------------|--------------------------------------|-------|-------|--------------|
| 32100             | IntelliSound Module                  |       |       |              |
| 32400             | IntelliSound Module                  |       |       |              |
| PIKO 3619x Series | IntelliSound Module                  |       |       |              |
| 32300             | IntelliSound 3 Module                |       |       |              |
| 32304             | IntelliSound 3 Module                |       |       |              |
| 32500             | IntelliSound 4 Module                |       |       |              |
| 32504             | IntelliSound 4 Module                |       |       |              |
| 36320             | Multi-Protocol IntelliSound3 Decoder | 11    | 11    | 36320        |
| 36360             | Multi-Protocol IntelliSound3 Decoder | 5     | 5     | 36360        |
| 36520             | Multi-Protocol IntelliSound4 Decoder | 9     |       | 36520        |
| 36560             | Multi-Protocol IntelliSound4 Decoder | 9     |       | 36560        |
| 67800             | Servo Decoder                        | 85    | 3     |              |
| 73100             | Multi-Protocol Decoder               |       |       | 73100        |
| 73110             | Multi-Protocol Decoder               |       |       | 73110        |
| 73140             | Multi-Protocol Decoder               |       |       | 73140        |
| 73400             | Mini Multi-Protocol Decoder          |       | 4     | 73400        |
| 73410             | Mini Multi-Protocol Decoder          |       | 4     | 73410        |
| 73500             | Mini Multi-Protocol Decoder          | 8     | 8     |              |
| 73510             | Mini Multi-Protocol Decoder          | 8     | 8     |              |
| 73800             | Mini-Function Decoder                |       |       | 73800        |
| 73900             | Mini-Function Decoder                |       |       | 73900        |
| 73105             | IntelliDrive2                        |       |       | 73105        |
| 73115             | IntelliDrive2                        |       |       | 73115        |
| 73145             | IntelliDrive2                        |       |       | 73145        |
| 73235             | IntelliDrive2                        |       |       | 73235        |
| 73405             | IntelliDrive2                        |       |       | 73405        |
| 73415             | IntelliDrive2                        |       |       | 73415        |
| 74120             | IntelliDrive2                        |       |       | 74120        |
| PIKO41RH2400      | IntelliDrive2                        |       |       | PIKO41RH2400 |
| PIKO41BR82        | IntelliDrive2                        |       |       | PIKO41BR82   |
| Piko 56400        | IntelliDrive2                        |       |       | PIKO56400    |
| Piko 56401        | IntelliDrive2                        |       |       | PIKO56401    |
| 74400             | Standard Decoder                     | 1     | 20    |              |
| 74420             | Standard Decoder                     | 1     | 20    |              |
| 75330             | Multi-Protocol Decoder               |       |       | 75330        |
| 76150             | Multi-Protocol Decoder               | 9     |       | 76150        |
| 76320             | Multi-Protocol Decoder               | 9     |       | 76320        |
| 76200             | Multi-Protocol Decoder               | 9     | 40    | 76200        |

|                   |                        |   |    |       |
|-------------------|------------------------|---|----|-------|
| 76400             | Multi-Protocol Decoder | 9 | 40 | 76400 |
| 76420             | Multi-Protocol Decoder | 9 | 40 | 76420 |
| 76425             | Multi-Protocol Decoder | 9 |    | 76425 |
| 76560             | Multi-Protocol Decoder | 9 |    | 76560 |
| 77500             | Multi-Protocol Decoder |   |    |       |
| PIKO 3612x Series | Multi-Protocol Decoder |   |    |       |

### Umelec Ing Buero CV8=147

| Model            | Family                       | Min CV7 value | Max CV7 value | Internal ID |
|------------------|------------------------------|---------------|---------------|-------------|
| ATL2051          | Umelec ATLPlus Engine Module | 57            | 59            | ATL2051     |
| ATL2054          | Umelec ATLPlus Engine Module | 17            | 19            | ATL2054     |
| ATL2064          | Umelec ATLPlus Engine Module | 10            | 12            | ATL2064     |
| ATL2064-12       | Umelec ATLPlus Engine Module | 12            | 12            | ATL2064-12  |
| ATL2066          | Umelec ATLPlus Engine Module | 21            | 40            | NEM652      |
| ATL2066 (21MTC)  | Umelec ATLPlus Engine Module | 25            | 40            | 21MTC       |
| ATL2066p         | Umelec ATLPlus Engine Module | 21            | 40            | NEM652      |
| ATL2066p (21MTC) | Umelec ATLPlus Engine Module | 25            | 40            | 21MTC       |