

## CONTROLLER

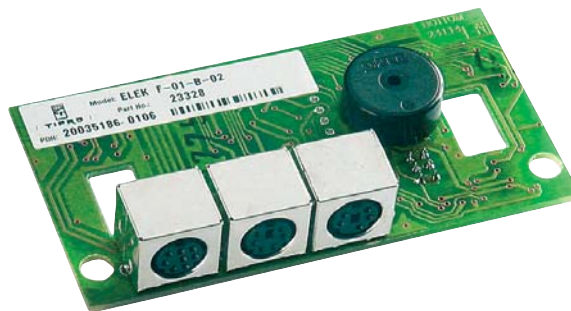
» Co-ordinates interaction between all the modules, stores information and communicates to the computer. Only one controller is required for any combination of modules.

All modules connect to the controller via the internal Tipro bus. They can be arranged in any order, as a Tipro bus connector is located on either side of each unit.

## TM-MRK

### PS/2+RS232 controller for keyboard modules

- » MiniDIN8 connector for communication with computer
- » MiniDIN6 connector for secondary keyboard
- » MiniDIN5 connector for external module connection



## FEATURES

- » Built-in buzzer for keyclick and warning tones
- » Non-volatile memory: 8 kB
- » Reprogrammable
- » Keeps data for more than 10 years (if disconnected from power)
- » 7 LEDs (4 for layer indication, Caps, Num and Scroll lock indication)
- » 4 possible programmable layers
- » One internal Tipro bus connector
- » Supports up to 14 logical modules

## CABLES

» **TM-CSA** - PS/2 + RS232 keyboard cable for connecting controller to computer (MiniDIN8 male on controller side, split end with MiniDIN6 male for PS/2 interface and D-SUB9 female for RS232 interface on computer side); can be used for controllers with PS/2 + RS232 interfaces

### » Colours

All cables for FREE modules are available in the following standard colours: light grey, black. Other cable colours are available on request.

## SOFTWARE UTILITY

### ChangeMe

#### » Programming the configuration.

Whatever the command you wish to program – whether to send complex strings, play warning tones, or use different interfaces simultaneously – you can use ChangeMe.

- » No technical knowledge is required
- » Automatic detection of connected configuration or keyboard
- » Permits downloading and uploading of data from file to keyboard and vice versa
- » All keys and combinations of keys can be programmed
- » Each key can be programmed in 4 layers
- » Distinguishes between simultaneously and subsequently pressed keys
- » Distinguishes between single and autorepeat functions for each key in each layer
- » Batch download (downloading programming file to the keyboard without using ChangeMe). Available also for Linux and MacOS.
- » Integrated testing utilities
- » Windows 2000/XP/Vista(x86) compatible

#### Power

consumption:

Dimensions:

Packaging dimensions:

Package content:

TM-MRK

25 mA<sub>typ</sub>

86 x 45 x 17 mm, 30g

156 x 255 x 85 mm, 170g

TM-MRK, CD with programming utility, keycap removal puller

