



Product Information Sheet

Technicians' Terminal

Type: MT02

Technicians' Terminal

Background

The components and hardware used in SSI Technicians Terminal, manufactured by Alstom and Westinghouse, are becoming difficult to obtain and it is considered that the situation will not improve in the future.

In anticipation of this growing problem Park Signalling have developed a replacement Technicians Terminal (Park Signalling type reference MT 02) using standard Commercial Off-The-Shelf (COTS) components. The technologies used have been carefully chosen with consideration of longevity.

A major consideration in the development was to provide a replacement for the original Technicians Terminal which is directly compatible at the electrical interfaces. We have also replicated the feel and functionality of the original Technicians Terminal to minimise the need for re-training of staff.

The MT 02 Technicians Terminal allows the user to:

- Start and stop interlockings
- Apply controls to interlockings
- List and monitor faults
- Reset fault lists
- Monitor the interlocking
- Monitor telegrams

The MT 02 Technicians Terminal supports SSI logging and provides an external clock interface. Control lists and fault lists may be printed.

Related equipment

The MT 02 Technicians Terminal is a direct replacement for the MkII Technicians Terminal design as supplied by Alstom and Westinghouse. The MT 02 Technicians Terminal is based on an industry standard PC.

The RS422 communications to the SSI system is achieved using USB-RS422 multi-port converters.

Environment and Reliability

The MT 02 Technicians Terminal is designed for indoor use to meet the requirements of BR967 category B. High reliability is achieved by use of quality industry standard PCs and COTs components.

Electrical connections

The MT 02 Technicians Terminal is supplied with cables for connection to the existing interface connectors in the SSI cubicle(s).

Software

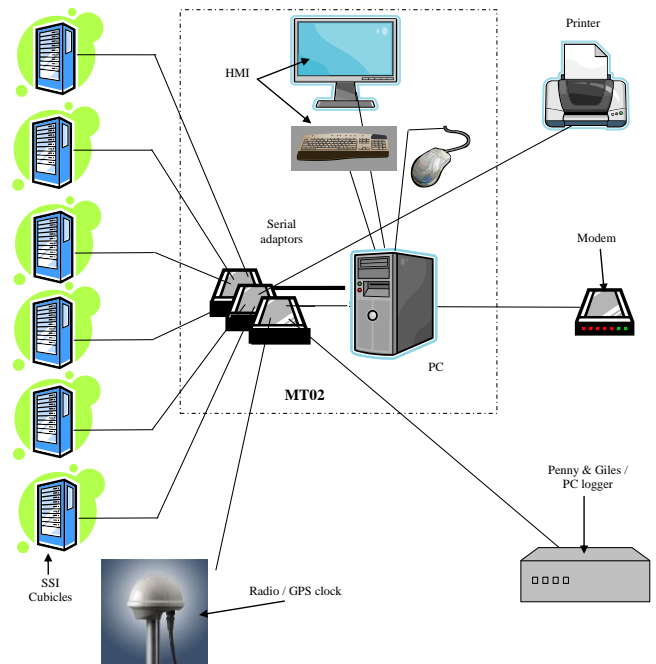
The software for the MT 02 Technicians Terminal has been written in C++ software language using an industry standard compiler.

Supply details

There are 3 configurations of MT 02 Technicians Terminal. The order reference for a Technicians Terminal suitable for connection to:

- One SSI systems is MT 02 – 1
- 2, 3 or 4 SSI systems is the MT 02 – 4
- Up to 6 SSI systems, MT 02 – 6

Block Diagram of Technicians Terminal Type MT 02



Example Screen Clips

```

PSL_TT_0.00          Egham          15 Feb 2008 09:11:46

0: Lock Keyboard
1: List Faults
2: List Technician's Control
3: Monitor Interlocking
4: Update Simulator
5: Update Technician's Controls
6: Command Menu
    
```

Main Menu (Note option 4 not implemented)

```

PSL_TT_0.00          Egham          15 Feb 2008 09:17:01

0: Return to main menu
1: Aspect disconnect
2: Temporary approach control
3: Track circuit occupy
4: Route bar
5: Points disable
6: Start interlocking
7: Stop interlocking
8: Disable MPM
9: Amend controls on another interlocking
    
```

Technicians Controls Menu

```

PSL_TT_0.00          Egham          15 Feb 2008 09:18:11

0: Return to main menu
1: Remove cleared faults from T.T. memory
2: Reset T.T.Fault Memory & Diagnostic MPM
3: Eject current logging tape and switch to standby
4: Load geographic data tape
5: Set date and Time
6: Set terminal configuration
7: Set terminal access code
    
```

Command Menu (Note options 3 & 4 not implemented)