



# Product Information Sheet

## Technicians' Terminal

### Type: MT03

## Technicians' Terminal – MT03

The components and hardware used in SSI Technicians Terminal, manufactured by Alstom and Westinghouse, are difficult to obtain; a situation that will continue to deteriorate.

Park Signalling have developed a replacement Technicians Terminal (type reference MT 03) using standard Commercial Off-The-Shelf (COTS) components. The technologies used have been carefully chosen with consideration for 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.



Tidmouth				
Fault	Status	First occurred	Last occurred	Occurrences
Points operate, reverse, 101	Cleared	06/08/2014 15:45:32		1
Path failure TDL B, MPM 1	Fault	06/08/2014 15:46:49		1
Link B failed, no reply from and beyond LOC101	Fault	06/08/2014 15:46:53		1
Interlocking disabled	Alarm	06/08/2014 15:47:57		1

The MT 03 Technicians Terminal features:

- Standard (COTS) components.
- Directly compatible at the electrical interfaces.
- Replicated feel and functionality of original TT.
- Principal functions of the TT 03:
  - Control serial interfaces connect up to 6 SSI systems
  - Provide means of applying and removing technician controls including:
    - Start/Stop Interlocking
    - Track Circuit Occupy
    - Route Bar
    - Aspect Disconnect
    - Points Disable
    - Temporary Approach Control
    - Disable Interlocking MPMs
  - Display data link telegram contents
  - Display panel Requests

### Fault Category

The fault category is indicated by an icon to the left of the fault message.

Icon	Fault Category
✖	Critical
⚠	Non critical
ℹ	Warning message

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### Fault Status

The fault status is indicated by the text colour and text background colour of the fault description.

Fault Status	Text colour	Text background colour
Fault	White	Red
Intermittent fault	Black	Gold
Alarm	Black	Plum
Cleared	Black	White

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The fault status also appears in the status column of the fault list.

**Tidmouth**

Start interlocking

Stop interlocking

Stop MPM 1

Stop MPM 2

Stop MPM3

Type 'START'

Cancel

Execute

Tidmouth			
15:45:07	Outward data	63, 01000000	101 WR
15:45:09	Inward data	63, 00000111	101 IN
15:45:09	PPM1	QST 0008 - RLD	101 INK
15:45:09	Inward data	63, 01000111	101 INK
15:45:09	PPM2	QST 0008 - RLD	101 INK
15:45:09	Outward data	21, 10000001	SS1(B) UGE
15:45:14	Inward data	21, 11000010	SS1(OFF) GE
15:45:14	Outward data	21, 10000100	T43
15:45:17	Inward data	21, 11000000	SS1(B) UGE
15:45:21	Inward data	21, 11000100	SS1(OFF) GE
15:45:23	Inward data	21, 11000110	T43

**Operator Actions**

- 06 Aug 2014, 15:53:38 - Sign in: Annie, purpose: Maintenance
- 06 Aug 2014, 15:55:50 - Tidmouth Interlocking started
- 06 Aug 2014, 15:55:21 - Tidmouth signal aspect on 21
- 06 Aug 2014, 15:55:36 - Tidmouth temporary approach on 51
- 06 Aug 2014, 15:55:52 - Tidmouth points disable on 101N
- 06 Aug 2014, 15:58:53 - Tidmouth signal aspect off 21
- 06 Aug 2014, 15:59:42 - Tidmouth signal aspect off 51
- 06 Aug 2014, 16:00:06 - Tidmouth points disable off 101N
- 06 Aug 2014, 16:01:06 - Operator signed out

