**West Buckland Crossing Signal Box - Locking Table**

First issue 14th July 2023. D.J.Hartland.

This locking table has been prepared using the format specified in the Institution of Signal Engineers Codes of Practice, with some extra wording to emphasise the meaning of phrases.

This table should be read alongside the signal box diagram on drawing TME 1067. This diagram shows the position of turnouts in the normal position, with all levers back in the frame.

**General Notes:**

* The ‘normal’ position for levers is back in the frame.
* Levers are ‘reversed’ when they are pulled forward in the frame.
* Levers are ‘released’ when they are free to be moved, and ‘locked’ when they are unable to be moved.
* Turnouts are provided with detection switches. These switches provide an indication that the switchblades are fully into position, providing a safe route over the turnout in the normal or reversed position.
* Lever No. 1 controls the level crossing gates. When the lever is back in the fame, the normal position, the gates are open to the railway, and locked in this position. Pulling the lever will unlock the gates, move them to from the open position to the closed position, then relock them in the closed position.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Lever No.** | **Description** | **Lever is released when the following levers are in their reversed position AND**  **when pulled, locks these levers in the reversed position** | **Lever is released when the following levers are in their normal position AND**  **when pulled, locks these levers in the normal position** | **Detection Requirements**  **The lever may be released, and pulled, but the signal will not operate until the following detection requirements are met.** |
| 1 | Crossing Gates | - | 4,5,7,9,10,14,15,17 |  |
| 2 | Down Main Distant | 3,4 | - |  |
| 3 | Down Main Outer Home | - | - |  |
| 4 | Down Main Home |  | 1,6,7,8 | Detect No.6 switchblades in normal position  Detect No.8A switchblades in normal position  Detect all 4 crossing gates in open and locked position |
| 5 | Down Main to Platform Home | 6 | 1,7,8 | Detect No.6 switchblades in reversed position  Detect No.8A switchblades in normal position  Detect all 4 crossing gates in open and locked position |
| 6 | Down Main to Platform Turnout |  | 1,4 |  |
| 7 | Disc Signal Down Main backing |  | 1,4,5 | Detect all 4 crossing gates in open and locked position |
| 8 | Crossover to Steaming Bays |  |  |  |
| 9 | Steaming Bays Exit signal | 8 | 1,4,5,7 | Detect No.8A and 8B switchblades reversed position  Detect all 4 crossing gates in open and locked position |
| 10 | Disc signal Up Main backing |  | 12,13,16 | Detect No.11B switchblades in either position |
| 11 | Up Loop to Up Main crossover |  | 13,16 |  |
| 12 | Up Loop to Carriage Shed |  | 10, 11,13 |  |
| 13 | Exit signal from carriage shed |  | 12 |  |
| 14 | Up Loop to Up Main starting signal | 11 | 10 |  |
| 15 | Up loop Home Signal |  | 1 | Detect all 4 crossing gates in open and locked position |
| 16 | Up Main starting signal |  |  |  |
| 17 | Up Main Home signal |  | 1 | Detect all 4 crossing gates in open and locked position |
| 18 | SPARE |  |  |  |
| 19 | SPARE |  |  |  |
| 20 | SPARE |  |  |  |