

## **STANNAH LIFTS LTD**

### **ELECTRICAL TECHNICAL BULLETIN**

**Date :** 19/07/07  
**Product :** SYSTEM 21 NEXUS & NEXI  
**Subject :** **REVISED** - Nexus & Nexi JTT & JTE Faults Explained  
**Status :** Information only  
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#### **Detail**

Since the introduction of Nexus software V1.54 on 24/09/02 and Nexi software V1.03 on 15/09/03, the Journey Time feature has consisted of two parts, JTT and JTE. The JTE (Journey Time Event) feature was introduced to reduce the number of trapped passengers as a result of problems causing the lift to travel on slow speed. The JTE fault shall occur if the lift runs for more than HALF the programmed JTT time, if the lift then reaches floor level before the JTT time is reached, the lift shall open the doors to release the passengers and then close the doors and the lift enters shutdown mode. Whilst the lift is shutdown, the Door Open Pushbutton in the lift car shall still cause the doors to open. The Nexus controller will log a JTT fault preceded by a JTE fault.

#### **JTT Setting Procedure:**

1. Measure the time taken for the lift to travel from the bottom floor to the top floor in NORMAL operation.
2. Determine the longest travel between two floors and measure the time taken for the lift to travel between those floors on SLOW speed.
3. The Journey Time parameter (JTT) should be set at the highest of the two measured times, multiplied by 2, plus ten seconds.

#### *Example:*

1. Bottom to Top floor in NORMAL speed = 20 seconds.
2. Longest floor to floor in SLOW speed = 30 seconds.
3. Travel on slow speed is the longest time, therefore JTT setting =  $30 \times 2 + 10 = 70$  seconds.

#### **JTT Reset Procedure:**

In order to ensure that a JTT fault is cleared correctly, the fault must still be displayed on the Nexus LCD or 'LATCH' LED 'ON' on the Nexi PCB, and then the Latched fault reset procedure must be carried out:

1. The latch fault reset link must be pushed 'IN'.
2. Cycle the mains power 'OFF' for 10 seconds and then 'ON'.
3. When the Nexus LCD displays 'Normal Operation' or the Nexi Output LED's turn 'ON' (approximately 5 seconds), the latch fault reset link must be pulled 'OUT'.