

The VHC-102 Passenger Elevator Controller

Utilizing the Fault Replay diagnostic tool

Fault Replay capability is always enabled, and constantly recording events as the elevator is running. The events leading up to the three most recently logged faults may be viewed from the Fault Replay menu at any time. These events may be viewed in a time-stamped list format (List Mode), or in a normal status screen format (Replay Mode). *We'll only discuss Replay Mode since List Mode generally requires interpretation by a VMI troubleshooter.* Both formats allow scrolling through the events in a circular fashion, and jumping back to the fault event. An additional facet of the Replay Mode is to actually replay the events in real-time, pausing, scrolling, and resuming replay as necessary.

```
MAIN MENU
STATUS   SETUP
MONITOR  VERSION
->FAULTS
```

A

From the MAIN MENU (A), select FAULTS and press **ENTER** to enter the Faults menu. Scroll down to the next screen until the arrow points at FAULT REPLAY(B).

```
->FAULT REPLAY
```

B

Press **ENTER** to bring up the Fault Replay menu, an example of which is shown in C.

```
->DISPLAY MODE:REPLAY
OL AND CL ON
HALL LOCK OPEN
```

C

With the arrow pointing at DISPLAY MODE, press **ENTER**, then **UP** or **DOWN** to choose between LIST and REPLAY Modes. Press **ENTER** again to lock in your choice.

```
DISPLAY MODE:REPLAY
->OL AND CL ON
HALL LOCK OPEN
```

D

Scroll down to the fault to be reviewed (D), and press **ENTER** to show the selected fault event, an example of which is shown in E.

```
AUTOMATIC 12:24:36
2 STOPPED 001000
CLOSED
OL AND CL ON
```

E

The fault event displayed in the initial Replay Mode screen shows the status at the time the fault was logged. Now we can use the push-buttons to analyze events leading to the fault.

ENTER

From the initial Replay Mode screen, pressing **ENTER** starts the real-time replay¹ of events from the first event captured² to the fault itself, at which point replay automatically stops. Pressing **ENTER** again while replay is playing events causes the replay to pause at the current event. Pressing **ENTER** again resumes replay from that point.

SHIFT

Jumps straight to the fault event and pauses there.

UP

Steps backward one event at a time and pauses there.³

DOWN

Steps ahead one event at a time and pauses there.³

¹ Elevators that experiences periods of infrequent use or down-time may have long periods with no change of events during Fault Replay. Simply scroll past these periods using the **DOWN** button.

² The first event captured may be the event immediately following the previous fault event, or the first event after clearing the fault log, or any event since either of these if more events have occurred than the allocated memory could hold.

³ Each momentary push of the button steps one event. Holding the button scrolls events in slightly increasing speed.