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## ALMEGA DOOR OPERATOR TESTER: QUICK GUIDE

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1. PRE-CHECK INFORMATION (see next page).
2. Modes of Operation:
  - a. **Manual:** In this mode the doors will cycle if the user generates an open command by asserting either the Door Open Push (DOP) or the Safe Edge (SE). Also if the lock circuit is interrupted ("broken") the doors will cycle (i.e. re-open then close). *This is the default mode upon switch on.*
  - b. **Automatic:** In this mode the doors cycle automatically, testing the door operator for a period of cycles. *This mode is selected by pressing the **START TEST** button (Slot 2, Input 11 is asserted).*
  - c. **Inspection:** In this mode the doors will not be operated by the micro processor, but only by the door test buttons OPEN / CLOSE. The buttons operate under Constant Pressure control. *This mode is selected by asserting the **TEST/INSPECTION SWITCH** (Slot 2, Input 13 is extinguished).*
3. Automatic Operation:
  - a. Press the START BUTTON, or  
Press and hold **MODE** on the Almega keypad, then press **ENTER**, whilst still holding **MODE**.
  - b. An event is generated in the Event Logger "DOOR GEAR TEST START" (EVENT HISTORY).
  - c. The doors will cycle indefinitely until the test is stopped, or a fault occurs. The Door Gear Viewer Screen is displayed (as Fig 1 below.) Pressing F1 at anytime will also display the screen (as Fig 1).
  - d. Auto Re-Open time adjustment: can be found in Door Times "DOOR RE-OPEN TIME".
  - e. Door Open Dwell Time adjustment: can be found in Door Times "MODIFY ALL DWELLS", increase time to increase dwell. Note the minimum / default dwell is set at 2 SECONDS.
  - f. To Stop the Test Press the STOP BUTTON, or  
Press and hold **MODE** on the Almega keypad, then press **ENTER**, whilst still holding **MODE**.
  - g. An event is generated in the Event Logger "DOOR GEAR TEST STOP" (EVENT HISTORY).

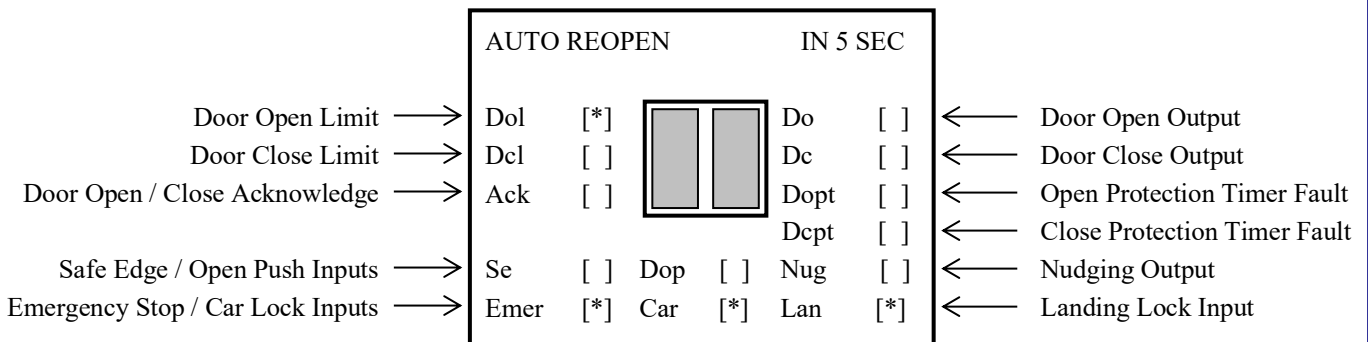


Fig 1

4. Diagnostic Viewer Screen: Pressing F3 on the keypad will display the Door Gear diagnostics (as Fig 2 below)

Se	[0	]	←	Num Safe Edge Operations
Dop	[0	]	←	Num Open Push Operations
Do Prot	[0	]	←	Num Open Prot Timer Faults
Dc Prot	[0	]	←	Num Close Prot Timer Faults
Open	[2	]	←	Num Open Cycles
Close	[2	]	←	Num Close Cycles
Lan Lck	[0	]	←	Num Lan Lock Fails to Make
Car Lck	[0	]	←	Num Car Lock Fails to Make

Fig 2

5. Re-setting Diagnostic Information:

Pressing CPT on the keypad will display the screen as Fig 3 below. Pressing ENTER will then reset all the diagnostic information number of operations and faults (as in Fig 2).

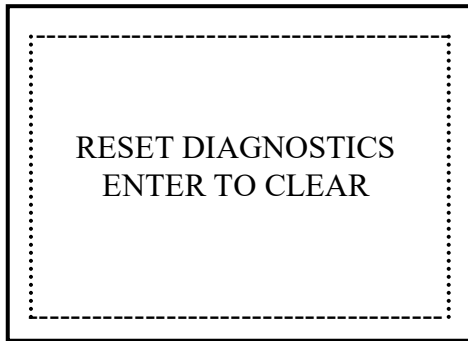


Fig 3

Pressing CPT on the keypad will display the screen as Fig 4 below. Pressing ENTER will clear any door faults: Open / Close Protection and Locks Faults. (Used when OSI output has come on).



Fig 4

6. Input / Output Information:

Inputs and Outputs are configured within the Almega IO Rack. Outputs are on SLOT 1 (relay output), and inputs are on SLOT 2 (Mains 110VAC inputs). Pressing F2 on the keypad will display the IO Viewer as Fig 5 below. Using the UP / DN arrows to move the cursor to SLOT 1, and then pressing ENTER will display the output screen as in Fig 6. The “◆” indicates that output is ON.

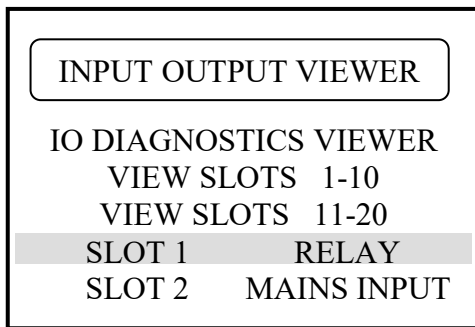


Fig 5

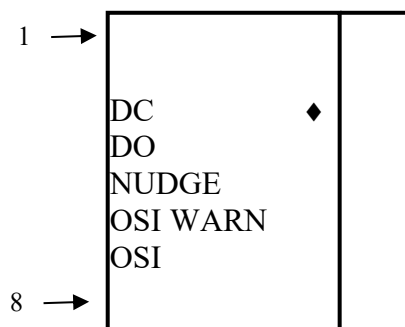


Fig 6

OSI WARNING

Comes on when a fault has occurred i.e. open / close prot, and goes off when the fault has cleared.

OSI

Comes on after x attempts (programmable “NUMBER OF SELF TESTS”) by the μP to clear the fault.

7. Event History:

Pressing MENU then ENTER on the keypad will display the Event History list as in Fig 7. Pressing ENTER over any event will display the detail of the event as in Fig 8. The Date and Time is included in the detail.

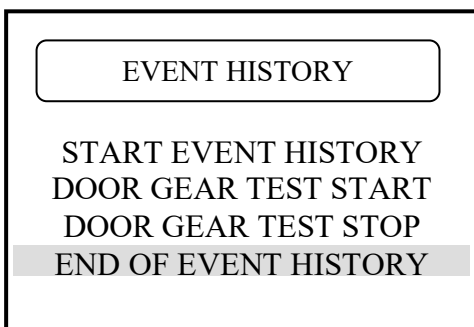


Fig 7

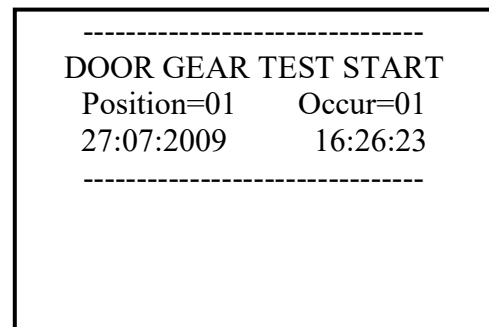


Fig 8

PRE-CHECK INFORMATION:

- A. Ensure there is a live feed: 240V AC to terminals L-N.
- B. Check Fuses F1 and F2.
- C. Ensure there is a live feed: 110VAC to terminals 110L and 110N.
- D. Check one of Relays PSA, PSB, or PSC are energised.
- E. Check Fuses F3 and F4.
- F. Check Power Supply Board (ALMEGA RACK), all indication for Fuses are illuminating RED, except FAC28 and FR24.