ANNUNCIATOR OPERATION

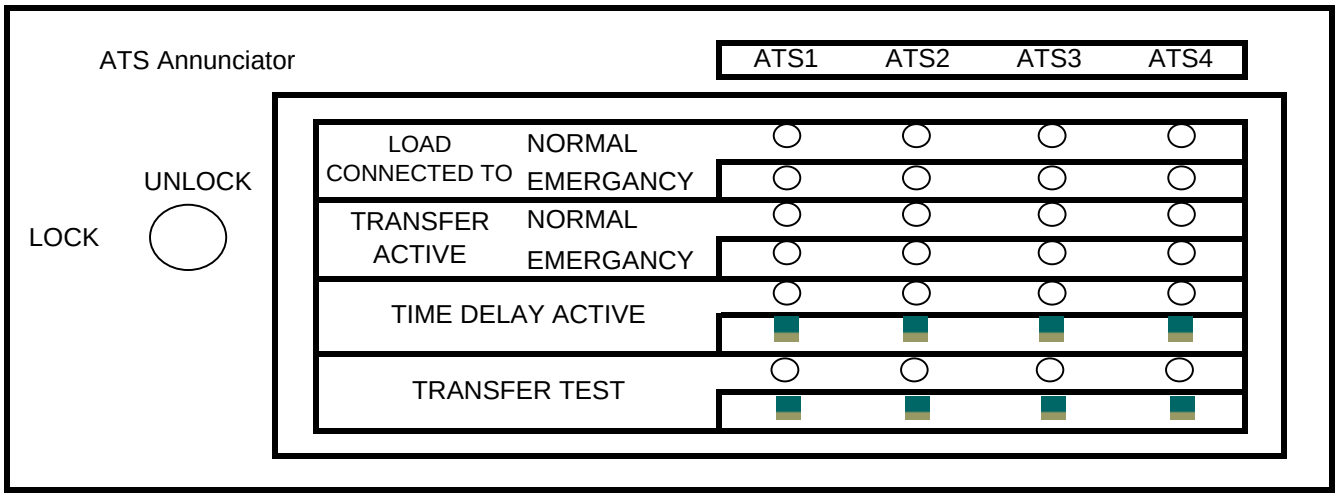
1. Insert the switch key and turn it clockwise to the *Unlock* position as shown in Figure 1.
2. Select the number of the ATS you want to test and find the *Transfer Test* push button below the ATS number on the bottom row.
3. Press and hold the *Transfer Test* push button until the amber light above it starts flashing.
4. Observe that the *Emergency Source Available* red light comes on indication that the generator has started.
5. Observe that the *Load Connected to Emergency* red light comes on (Normal light off) indicating that the ATS has transferred.
6. Press the *Transfer Test* push button again to end the test. The flashing amber light goes off.

Note: Feature Retransfer to Normal Time Delay will start now. *Time Delay Active* amber light comes on and transfer will occur in 30 minutes. To bypass this time delay press the *Time Delay Active* push button below the amber light.

7. Observe that the *Load Connected to Normal* green light comes on (Emergency light off) indicating that the ATS has retransferred.

Note: *The Emergency Source Available* red light goes off when the emergency source is no longer available.

8. When testing is completed, turn the key switch counterclockwise to the *Lock* position and remove the key.


ATS Annunciator
ATS1
ATS2
ATS3
ATS4
UNLOCK
LOCK
LOAD CONNECTED TO
NORMAL
EMERGANCY
TRANSFER ACTIVE
NORMAL
EMERGANCY
TIME DELAY ACTIVE
TRANSFER TEST

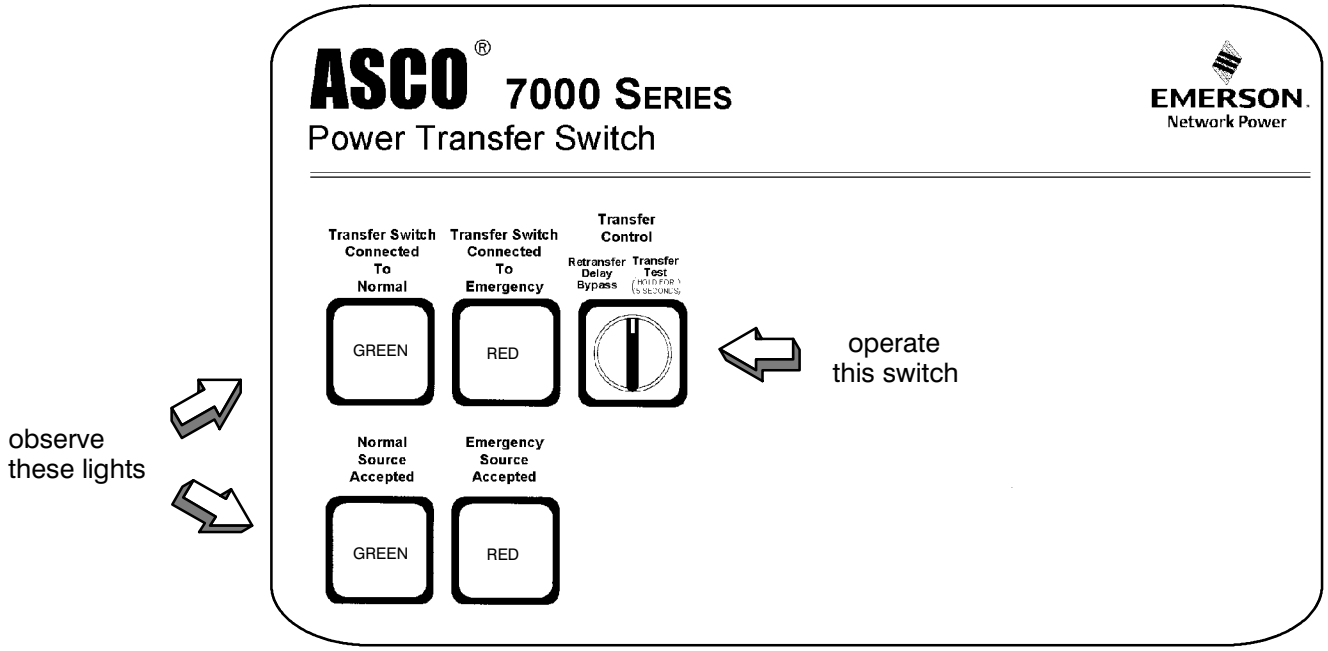


Figure 1-5. Standard controls and indicators.

3 – Electrical Operation

This procedure will check the electrical operation of the Automatic Transfer Switch. See Figure 1–5.

⚠ WARNING

Close the enclosure door first.

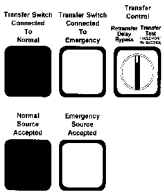
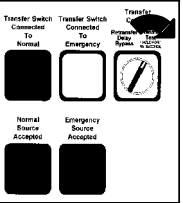
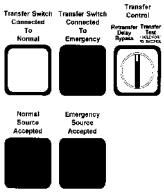
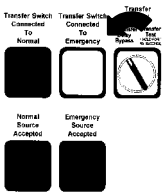
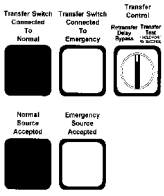
Transfer Test

Both normal and emergency sources must be available and the emergency source generator (if used) must be capable of being started in this procedure.

Perform steps 1 through 5 at the right. Observe the status lights.

- ■ Black square means light is on.
- ❒ White square means light is off.

This completes the Functional Test of the ATS.

1	The *Transfer Switch Connected To Normal* and *Normal Source Accepted* lights should be on.	
2	Turn and hold **Transfer Control** switch clockwise to *Transfer Test* until the engine starts and runs (within 15 sec.). *Emergency Source Accepted* light should come on.	
3	Transfer switch will operate to the Emergency position after Feature 2B time delay. The *Transfer Switch Connected To Emergency* light should come on and *Load Connected to Normal* light goes off.	
4	Transfer switch will operate back to Normal position after Feature 3A time delay. For immediate retransfer turn **Transfer Control** counterclockwise to *Retransfer Delay Bypass*. The *Transfer Switch Connected To Normal* light should come on; *Transfer Switch Connected to Emergency* light should go off.	
5	The engine–generator will stop after the Feature 2E time delay (unloaded running engine cool-down). The *Emergency Source Accepted* light should go off.