IRID 110

AR5 TROUBLESHOOTING GUIDE

Fixture does not strike.

- Verify power to the fixture.
- Replace lamp.
- Check and replace PFS fuse if necessary. If the fuse blows again, check the MOSFET for shorting between pins and replace.
- Replace PFS.

Fixture strikes but lamp does not remain lit.

- Verify fixture is correct voltage for mains provided.
- Replace lamp.
- Replace igniter.

Fixture strikes but does not calibrate.

- Amber LED is not on. Replace PFS.
- Amber LED is on and unit in self-test.
- Green LED does not flash. Replace CPU.
- Green LED flashes. Replace PFS.

Fixture calibrates but does not strike.

- Replace lamp.
- Replace APS.

Fixture calibrates, but does to respond to any command.

Verify data connections are good. Green LED blinking slowly indicates unit is not receiving data.

- Check for swapped or disconnected data + and data - outside and inside the unit.
- Check for shorts between data + or data - to shield.
- Has the correct cable type been used, (Belden 9827 or equivalent).
- Measuring between data + and - it should measure approximately 120 ohms.
- Is the data run 'daisy-chained', data cannot be 'home-run'.
- Verify that the data run does not exceed the maximum run length of 1000ft.

Does this happen to one unit?

- Yes- Replace CPU.
- No- Verify data and fuses on MCP/DMXi

Fixture does not change certain colors.

Set thumb wheels on CPU to '00'. Self test will be enabled. Colors will cycle and fixture will move. Check connections to motors on CPU. Can you hear the motor?

- No- Connect motor to a known working color or replace motor.
- Yes- Check drive shaft connections.

Noisy operation of Linear Actuator motor.

- Replace motor.

Fixture does not respond to its thumb wheel address, but does respond MCP Self Test.

Does it effect multiple fixtures?

- Yes- Check control data.
- No- Check address and programming.

Address to a known working address. Does it work now?

- No- Replace CPU.
- Yes- Verify programming address.

Fixture misses presets intermittently.

- Verify grounding of fixture.
- Verify data shield is not connected to ground in the fixture.

Are the fixtures running a Sequence?

- Yes. Address fixture to an address that is functioning properly. Continue to next line.
- No. Continue to next line.

Does the fixture continue to drop presets?

- No. Check programming.
- Yes. Verify data wiring.

Fixture runs backwards.

Is the fixture controlled via DMX?

- Yes- Check personality for flipped channels.
- No- Continue to the next line.
  - One data wire is disconnected externally or internally.
  - Check and replace input harness wiring.