Reader LED on 2220 IDRC Reader 2 flashes red / green / red / green on idle

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Symptom

The Reader LED on an LNL-2220 IDRC Reader 2 flashes red/green on idle.

This issue can occur after upgrading OnGuard and it is only seen on the Reader 2 port of the LNL-2220.

Prior to this happening, the LED on the reader is solid red, but then changes to a red/green flashing pattern.

Resolution

There are two options:
- **Option 1:** Add a pull up resistor from the LED output (LED) on the LNL-2220 to the reader power supply (VO). The value of this pull up resistor can range from 1K ohm to 10K ohm.
- **Option 2:** Add the following lines to the ACS.ini file on the Communication Server machine and then Restart the Communication Server.

```
[ReaderLEDModes]
UseCustom=1
Mode5OffColor=1
```

This issue is caused by invalid TTL values that the reader is sending to the LNL-2220 panel. Typically, the LNL-2220 can handle the invalidTTL values, but in some cases component variations (for example, internal capacitance, voltage drop, threshold knees, leakage current, etc) do not allow the LNL-2220 to handle the invalid TTL values.

Unfortunately, there is no way identify which reader port may cause a problem or which LNL-2220 may experience this issue.

Applies To

OnGuard (All versions)

Additional Information

For more information on customizing Reader LED modes, see KB Article 1289 (http://kb.lenel.com/article.aspx?article=1289&p=2).