# LightSync Isolated Dimmer Module
# 10X Fade Rate Jumper Technical Bulletin

**The LS-IDM module can be set to change the overall fade rate from the standard 0-300 Seconds to become 10 times the set level. This would be used where longer fade times are needed in atriums, lobbies or animal holding rooms where the intent is to have an output fade from 0 to 100% over a 30-minute fade duration to simulate sunrise or sunset.**

### LS-IDM 10X Fade Rate Jumper setting

On a LS-IDM module a user can set a jumper into pins 3 & 4 in the firmware programming terminal to change the internal timing and provide an increased fade time. You can use a solid 22AWG wire You may also request the pin jumper to be provided with the LS-IDM prior to shipping the product. See Figure-1 for Jumper location and refer to the Figure-2 10X chart below for the fade time changes to the module.

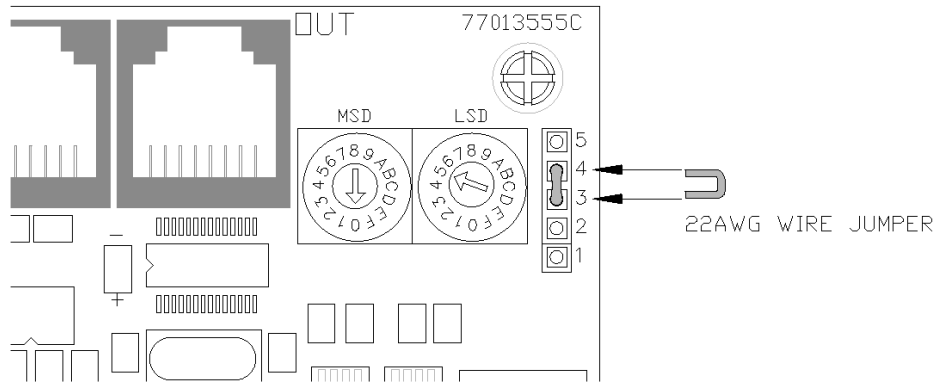Note: this operation is only available with a LS-IDM module Firmware Rev. B



Figure-1  Jumper

| Panel Fade Setting | Fade Minutes | 10X Jumper | 10X Fade Minutes |
|---|---|---|---|
| 2 Sec | 0.03 Min | 20 Sec | 0.3 Min |
| 6 Sec | 0.10 Min | 60 Sec | 1.0 Min |
| 10 Sec | 0.16 Min | 100 Sec | 1.6 Min |
| 20 Sec | 0.30 Min | 200 Sec | 3 Min |
| 30 Sec | 0.50 Min | 300 Sec | 5 Min |
| 90 Sec | 1.5 Min | 900 Sec | 15 Min |
| 180 Sec | 3 Min | 1,800 Sec | 30 Min |
| 300 Sec | 5 Min | 3,000 Sec | 50 Min |

Figure-2  10X chart

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