

## 9 OPERATION GUIDE

The araya<sup>5</sup> Dynamic Dimming Modules DDM 109, DDM 112, DDM 119 and DDM 119NR utilize standard 0-10V building controls and/or a wireless araya<sup>5</sup> Tunable Color iOS app for controlling dimming values, and for commissioning and activating SceneSet<sup>®</sup>. The modules deliver tunable white light that warms as it dims, launching at 3050K at full intensity to 1800K at 1%. This document describes how to control the DDM utilizing 0-10V controls, the iOS Bluetooth app or a combination of the two.

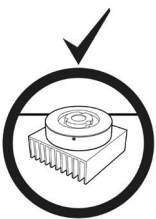
**araya<sup>5</sup> Tunable Color iOS App.** The araya<sup>5</sup> Bluetooth app wirelessly controls the DDM. The app is primarily intended to commission the DDM after installation. A MAXIMUM OF 8 MODULES CAN BE CONTROLLED AT A TIME. Each DDM has a unique address and the operator uses the app to select the desired DDM, turn power on/off and then set Dim and Scene Presets. Consult the araya<sup>5</sup> Tunable Color instruction manual for detailed instructions.

**0-10V Control of Dimming.** The DDM has 0-10V control wire pairs to control Dimming (instead of iOS app control of Dimming). Dimming is controlled by the violet (+) and gray (-) wires.

**0-10V Control of SceneSet<sup>®</sup>.** The iOS app can set up to 5 Scene Presets (depicted in shades of gray) which are recalled using a wired 0-10V controller. A scene is comprised of a specific Dim level. Individual preset scenes also can be modified and activated with the iOS app.

**DMX Channel Configuration.** The DDM One modules are provided with on board DMX512-A-RDM, with DMX slots set by RDM or via wireless araya<sup>5</sup> Tunable Color 2.0 iOS app.

**On-Off Control.** The DDM may be turned on/off by switching the input power from the 24V supply. To store the settings, the lamp needs to remain on for at least 45 seconds after the DDM is initially set using the iOS app. When Scene Presets are activated using the app, the settings are stored immediately and no wait time is needed. The lamp may also be turned on/off using the app without switching the power supply, but a power draw of about 1W will remain.



**For long term reliable operation, proper heat sinking is critical.**



**The DDM diffuser is fragile. Avoid touching the diffuser during handling and assembly.**



**Do not rest or operate the DDM face down against a table or other solid surface.**