POWER CONNECTION - DMX OR MAINS CONTROL

DMX CONTROL MODE: The Pegasus Luminaire should be connected to either a constant circuit or relay device when in DMX mode. Note: Altman Lighting recommends that all Non-Dim circuits powering solid state luminaires are routinely powered down to both conserve energy and maximize luminaire performance.

MAINS DIM CONTROL MODE: When Pegasus is set to Mains Dim Mode the luminaire should be connected to a Phase cut dimmer either forward or reverse phase and set to the appropriate voltage.. Typical Phase Cut dimmers include SCR's (Silicon Con-trolled Rectifiers), IGBT's (Insullated Gate Bipolar Transistors), and TRIAC dimmers).
The Pegasus Luminaire operates on 100 to 240 volts AC (+/- 10%, auto-ranging). Depending on supply voltage, each luminaire can draw up to 140 Watts. The maximum through current should not exceed 20 Amps*.
NOTE MAINS DIM CONTROL MODE: DO NOT CONNECT MORE THAN FOUR (4) PEGASUS FRESNELS TO THE SAME DIMMER. CONNECTING MORE THAN FOUR UNITS ON THE SAME DIMMER WILL RESULT UNDESIRED LOW END DIMMER REPONSES.

NOTE: If switching between **DMX CONTROL** and **MAINS CONTROL**. Please remove power from Luminiare and **Wait 10 Seconds** before switching the luminaire to MAINS CONTROL.

WARNING: DO NOT Daisey chain both MAINS DIMMABLE Luminaires with Luminaires that require CONSTANT POWER. When Pegaus is connected to a dimming system ONLY Pegasus Luminaires should be daisy chained together. Failing to follow these guidelines will result in unwanted dimming performance and damage to the luminaires.

WIRING REQUIREMENTS

Connector Wiring -POWER

Wire Color	Purpose
Brown (230V) Black (120V)	Main/(L)ine
Blue (230V) White (120V)	(N)eutral
Green/Yellow (230V) Green (120V)	Ground / Earth

Connector Wiring -DMX/RDM XLR & RJ45

DMX 512 Signal	XLR Pin	RJ45 Pin
Common (Drain)	1	7
DMX 512 Minus (-)	2	2
DMX 512 Plus (+)	3	1

Note: Remaining pins on each connector are not used

LUMINAIRE CONTROLS -OPERATING MODES (DMX Control)

SPECIAL NOTE: PEGASUS must be set to **DMX CONTROL** (switch on the back of the luminare) to be controlled via a DMX 512 system. There are two (2) main Operating modes:

1. DMX mode (rEC):
The Pegasus Luminaire's dimming level is set via a DMX controller. This controller controls the luminaire via DMX 512a. This address can be from 001 - 512. To program a different DMX address:

1. Depress the Hundreds, Tens, and Ones, selection switches to the desired DMX address number (001 to 512).
2. The display goes blank* and restores, confirming the new DMX address, displays it for 4 seconds, then display goes blank*. [Default DMX address 001] NOTE: When valid DMX is present the "Ones" decimal point will remain illuminated.

2. Standalone mode:
When in Standalone mode, the Pegasus Luminaire does not require a DMX control signal. To enter Standalone mode (or exit back to DMX (rEC) mode): Wait a few seconds until the display goes blank*, then perform the following button sequence:

1. press and hold the [ONES] button,
2. press and hold the [TENS] button,
3. release the [ONES] button,
4. release the [TENS] button. When in Standalone mode the unit will ignore DMX input, once in Standalone mode the ONES and TENS indicator will remain lit.
5. Unit Preset level is set (0 to 100%) using [TENS] and [ONES] buttons : (00 to 99) (L00=0%), (L99=100% full).
6. IMPORTANT NOTE: Unit must be in Control State (below) inorder for above output to take effect.

3. *Control / Receive State:* Note: Only one unit per DMX string should be set to Control State to avoid data conflict, all other luminaires on the DMX Lan shall be set to DMX Mode.
When in Standalone Mode the Pegasus can also enter into a Control State. The Luminaire will transmit its Preset level on DMX channel 1, so that it acts like a console to control the other units that are connected via DMX cable. If unit is in DMX mode, Control State will do nothing. When in Receive State (rEC), Unit only receives DMX, and if set to DMX channel 1, it will imitate the unit on the same DMX Lan that is set to Control State. To Toggle between Control and Receive state, do the following button sequence:
Wait a few seconds until the display goes blank,

1. press and hold the [HUNDREDS] button,
2. press and hold the [ONES] button,
3. release the [HUNDREDS] button,
4. release the [ONES] button;

Once in Con State the ONES, TENS, & HUNDREDS Indicator will remain Lit. Display will blink and show Con (or rEC) for 4 seconds and then go to current mode display. **[Default is Receive State]**

ALTMAN LIGHTING

OPERATION AND PROGRAMMING - DIMMING CURVE AND DMX TERMINATION

DIMMING CURVE:
Pegasus will replicate one of three programmed dimming curves replicating linear and incandescent dimming.

SETTING	DISPLAY [RDM]	DESCRIPTION
601	P01 [0]	Linear
602	P02 [1]	Incandescent Fade 1
603	P03 [2]	Incandescent Fade 2 (fast Bottom)

SETTING DIM CURVE:
1. Wait for Display to go blank (decimal points may still be active depending upon termination and DMX presence.
2. Using the programming buttons set the desired DIMMING CURVE setting
3. Wait 2 seconds, the display will then will change the [HUNDREDS] digit to a [P],asking for confirmation of personality change.
4. Depress the [ONES] button to confirm personality change Pressing any other button reverts back to 60X series display so that modification can be made.
5. Depress the [ONES] button a second time to return out of programming mode.

DMX TERMINATION:
Pegasus is supplied with a programmable DMX terminator built into the luminaire. In a DMX system it is recommended that the luminare that is at the end of the DMX Daisey-chain is terminated using a 120 OHM resistor.

SETTING	DISPLAY [RDM]	DESCRIPTION
998	I---I [0]	Termination ON
999	---- [1]	Termination OFF

SETTING DMX TERMINATION:
1. Wait for Display to go blank (decimal points may still be active depending upon termination and DMX presence.
2. Using the programming buttons set the desired DMX TERMINATION setting
3. Wait 2 seconds, the display will then will change the [HUNDREDS] digit to a [P],asking for confirmation of personality change.
4. Depress the [ONES] button to confirm personality change Pressing any other button reverts back to 90X series display so that modification can be made.
5. Depress the [ONES] button a second time to return out of programming mode.

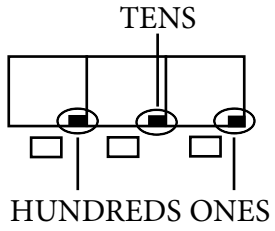
ABSENCE OF DMX:
When connected to a DMX network, if there is a loss of signal the following settings will effect the behavior of the Pegaus Luminaire upon signal loss. This mode can be programmed by entering a number greater than 900. There are four (4) different options upon the loss of signal.

SETTING	DISPLAY [RDM]	DESCRIPTION
901	oFF [00]	off (dimmed to 0%) [Default]
902	HLd [01]	hold last look (retains last DMX level)
903	PrE [02]	preset (Standalone Preset level
904	FuL [03]	full on (100%)

NOTE: upon loss of valid DMX setting 904 will initiate an instant change in the light output from the DMX setting to FULL ON (100%) When this is done, after 2 sec, the display will change the [HUNDREDS] digit to [P], asking for confirmation of personality change. This is confirmed with a press of [ONES] button. Pressing any other button reverts back to 90X series display so that modification can be made.

Once confirmation is made: Display blinks and shows new Absence of DMX setting (oFF, HLd, PrE, FuL) for 4 sec, then goes to current mode display.

Locked State:
When in Locked State, Buttons will have no effect until they are unlocked. To Lock (or unlock) the buttons, do the following button sequence:
Wait a few seconds until the display goes blank,
1. press and hold the [ONES] button,
2. press and hold the [HUNDREDS] button,
3. release the [ONES] button,
4. release the [HUNDREDS] button.



Display will blink and show Loc (or unL) for 4 sec and then go to current mode display. **[Default is unlocked]**

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