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RE: 7K Space Cannon INFO

Our 7K Space Cannons are Ireos not Ireos Pro.

The fixture travels with the lamp installed. The lamp is shock mounted in the fixture and the fixture is shock mounted in the case. The lamp is pressurized and therefore is like a hand-grenade with the pin pulled. Please use extreme care when moving the fixture. The fixture should not be exposed to any kind of rough treatment or dropped over curbs and the like.

Recommended transportation should be in air-ride type trucks. The carrier should be made aware not to hit major bumps.

The fixture and power supply cases are fitted with wheels for ease of movement.

The truck pack is 2 fixtures with 2 power supplies one on top of the other, if there are any power supply cases with 2 power supplies in one case the unit with 2 power supplies must be on the bottom of the stack. This package fits across a truck using 3' of truck space. The pack must use necessary load straps and bars to prevent the fixtures from rolling in the truck during transit.

The power requirement is 3 phase 30amp per leg the ground is required the neutral is not for each fixture. There is a 3-position tap on the power supply that must be set before the power is applied. All 3 taps must be the same. The taps are as marked 200v, 208v and 220v. The supply is 50/60 HZ compatible.

The DC cable between the Power Supply and the Fixture is loosely wrapped on the base of the fixture at the junction of the pan arms and the base. It is approximately 10' in length. The power supply must be in close proximity of the fixture location. Do not over stress the cable to make it reach. Relocate the power supply closer to the fixture if necessary. The connector ends are somewhat fragile and should not be dropped as the locking ring can crack or break. The cable is some-what stiff and can not be twisted to mate with the units. The natural curl in the cable must be maintained as the torque on the cable may twist the DC pins in the connector making it impossible to line up the pins when plugging in. It has a male and female connector, which plug in to the mating connectors on the Power supply and the fixture. As with any multi pin care should be

used in lining up the connectors. Make sure that the locking ring is fully in the lock position (dots line up). Please make sure it is packed as it was hopefully found as stated above.

The standard Power Supply AV plug fitted with the unit is a pin and sleeve SPLASH PROOF (NOT WATER PROOF, do not leave it in a pool of water) connector. The make model number is Crouse-Hinds ARROW HART AH530P9 it is a male end.

AVM can supply distribution for the fixtures and extension AC cable if required. Our extensions are in 50' and 100' lengths of 10-gauge x5 wire. The maximum run between the distribution and a PS must not exceed 150', as the cable is only #10. Should longer runs be required please request or use a lower gauge of wire such as #8 or #6.

Our distributions units can feed a maximum of 6 fixtures. They are cam-lock in with through cams. The ground and neutral are reversed. There is 120v available on the distribution unit.

Cam cable is not supplied but can be on request with cut-off if required.

Once the fixture has the correct AC power the 3-phase breaker switch can be turned on. The fixture should home at this point. Before igniting the lamp you must let the Power Supply charge up. The volt-meter on the left of the face plate must reach 28v before attempting to ignite the lamp. Depending on the power supply, fixture mating and the environment (ie. temperature) this can take 20 seconds to a couple of minutes.

There is an interesting noise heard when the lamp ignites. The lamp should ignite almost immediately.

There is a red rocker switch on the base of the fixture that disables the pan and tilt motors. If the head is not moving upon power being applied check the switch. At the end of use please do the following.

After the light has been turned off let the fixture cool down the lamp the fans will stop running at the appropriate time (about 5 to 10 minutes depending on the ambient temperature).

Make sure that all the color is down and the shutter is up before powering down. Internal program 7 will perform the shut down if you care to use it. Please see sheet with list of internal show programs for options.

Please make sure to match the lids to the proper base when packing up the fixtures.

If you are using this product without one of our technicians on site you are held responsible for all damage incurred and will be charged to bring the fixture back to proper specifications.

Should you have any questions please do not hesitate to call. My extension is 222.

Yours truly,
Ted MacDonald
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