MULTI-RATE 904 Fader Unit
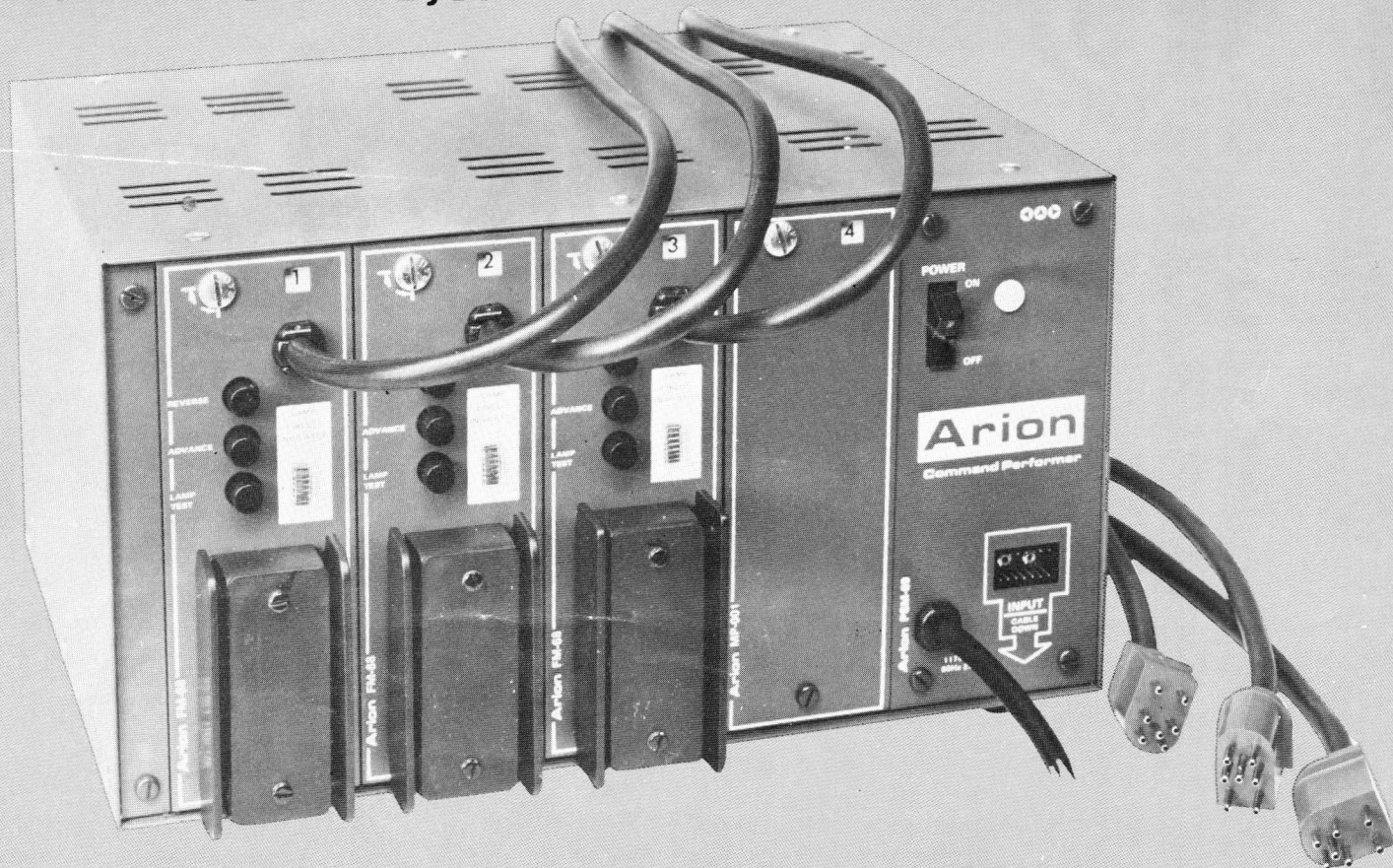
MORE THAN A DISSOLVER

Trying to describe the visual interplay of projected images when Arion's new Faders are in control is like trying to describe a sunset or a rainbow to a blind person. The visual experience is beyond description.

If you were impressed by the step up from a single projector, shutter-chop slide show to a dual projector dissolve presentation, then a Fader Unit, in control of 3 projectors on a single screen, will overwhelm you. It is not just another step forward. It's a blast-off into the wide open, endless possibilities of controlled multi-imagery. Just imagine viewing a single screen and seeing thirty basic visual transitions and over 500 combinations of image changes using only 1 slide in each of three projectors. As you add more Fader Units, the multi-screen possibilities become endless.

Your first production can, of course, be a simple one, but just think of the new outlets for your creativity. Fader Units make it happen!

The Fader Unit is modular in construction. It is made up of a power supply module, a main frame and plug-in Fader Modules.

Maximum screen impact necessitates the use of more than two projectors per screen area. Arion's design of the Fader Unit provides this capability resulting in these additional benefits:

1) More slide capacity. The slide load per screen is divided among three trays rather than two.
2) More rapid accessibility to visuals. Image changes on the screen can occur at a much faster rate. Your presentation can really move.
3) More and better visual effects.

The key to Fader operation is independent and selective control of projector lamps. You can fade up, fade down or cross fade (dissolve) any combination of projector lamps at five precise programmable fade rates. Multi-screen panoramas appear as though controlled by a single source when in fact it is several Fader Modules all acting in unison.

Each Fader Module has its own electronic memory. Since each Module has its own memory circuits, each projector lamp can fade in or out at all five rates throughout the presentation. The memory keeps track of slide advance or slide hold as well as lamp status and fade rates. Fade curves are determined by a set of operational amplifiers forming a small analog computer. Built into each module is an automatic override that assures positive synchronization. For your convenience, there's also a manual pushbutton control center on each module for easy set up and manual override.

Fader Units have set new standards of professionalism. They do indeed play a unique role in the 900 COMMAND PERFORMER SYSTEM.

● **FIVE PRECISION FADE RATES**

Each Fader Module has five fade rates — Instant, 2, 4, 8 and 16 seconds. Any and all rates can be programmed throughout the presentation.
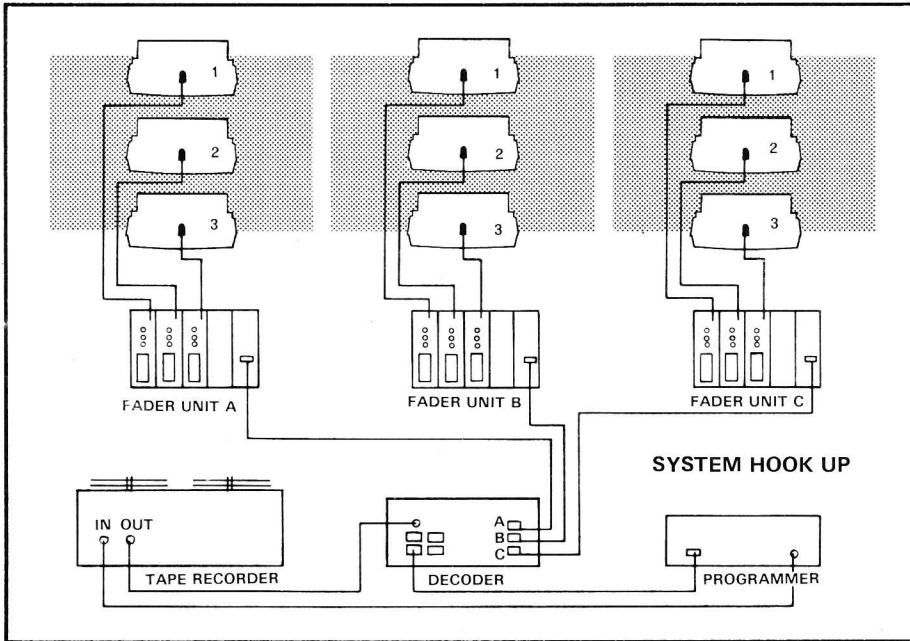
● **SELECTIVE LAMP CONTROL**

With selective and individual projector lamp control, a Fader can control the fade in/out of 1, 2, 3 or any combination of these projectors on a single screen.

● **ELECTRONIC MEMORY**

The memory in each Fader Module stores information relative to its fade rate, slide advance, slide hold and state of the projection lamp (on or off).

● **AUTOMATIC OVERRIDE**

Built into each Fader Module is an exclusive circuit that eliminates possible loss of synchronization due to premature commands. It's an Arion exclusive.

SYSTEM HOOK UP

● **EASY SERVICING**

Modular, plug-in construction plus a quarter-turn fastener on each module permits easy and fast accessibility for service.

● **SYSTEM "GO" INDICATOR**

An indicator on each module shows the condition of the projector lamp circuit. It tells you that cable connections are made and switches are properly set. It even tells you if the projection lamp is good.

● **INCREASED TRAY EFFICIENCY**

Independent lamp fade out on each projector eliminates the need of opaque slides.

● **MORE THAN A DISSOLVER**

A conventional dissolve is a locked in, alternate off/on action between two projectors — one at a time. Never can both lamps be "on". Never can two slides "super". Never can both lamps be "off". Never can you get a dark screen without using opaque slides.

A Fader Unit, however, provides independent lamp control of up to <u>three</u> projectors:
— Any or all lamps "on" for multi-image "supers".
— Any or all lamps "off" for a dark screen without opaque slides.
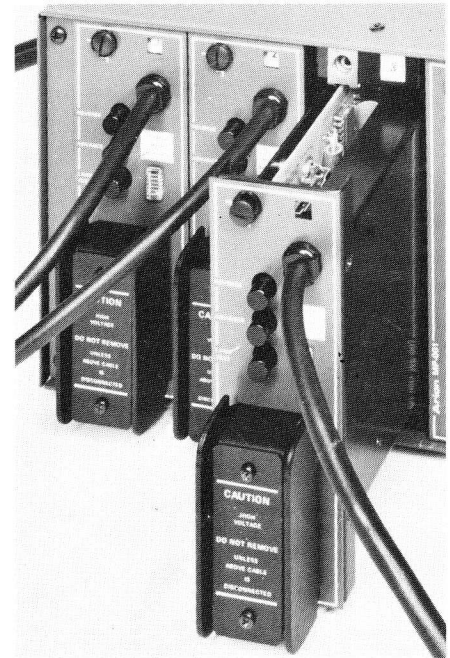— Any and all fade and dissolve rates affect any or all projectors.

● **ORDERLY SLIDE SEQUENCE**

With a Fader Unit, adding or eliminating a slide is a simple process that involves moving only the affected slides in just one tray. No other trays are involved.

With a dissolver, adding or eliminating a slide is a major, error-inducing production that necessitates moving slides forward or back in the tray <u>plus</u> moving the affected A slides to the B tray and the B slides to the A tray.

● **MANUAL CONTROL CENTER**

For the convenience of the operator during set-up, alignment and focus, a pushbutton control center on each Fader Module permits slide advance, reverse and lamp control of the assigned projector.

● **SIMPLE HOOK UP**

One cable connection at each Fader Unit carries all of the information concerning the 5 fade rates, the lamp on or off function and the slide tray advance of each of the projectors assigned to the Fader Unit.

SPECIFICATIONS

Control Input	D.C. logic level
Memory	4 bit solid state latch
Pushbuttons	1 latch 2 momentary
Lamp Circuit Indicator Light	Neon
Input	14-contact dual in-line male receptacle
Outputs	Permanently attached cables (Kodak umbilical type)
Construction	Modular
Circuit Boards	1 fire retardant, glass epoxy per module
Lamp Triacs	1200 watt capacity replaceable, plug-in type
Electrical Requirements	105-130V, 60Hz. 25 W
Dimensions	27.9 cm wide, 16.5 cm high, 22.9 cm deep (11" x 6-1/2" x 9")
Weight	4.9 Kilograms (11 lbs.)
Origin	Manufactured in U.S.A.

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