

# Vertilux Motorization Systems - Selecting a Motor System

## TECHNICAL CATALOG FOR: MOTORIZATION SYSTEM

### D/C Motor Control Systems

Vertilux Carries four categories of control systems. these are: hard switch, Infrared (IR), Radio Frequency (RF), and built-in. Those motors that have a built-in system of control cannot have alternative control systems applied. These D/C motor systems are detailed here:

#### LW25

The small motor used in the Toxa system, as well as the miniblind lift and tilt system is able to be fully automated. This motor can be connected to a headrail control (D/C version), and then controlled with either IR or RF remote control. This is a versatile system that can be integrated with the A/C motors to work in groups, with timers, wind control, and even computer control. Or, use a simple wall switch.

1", 2" Tilt only motors, VMS100 roller motor with Touch Control, Vertical Blind rotate motor, Cellular motor with Touch Control- These D/C motors come equipped ready to work on their own IR remote control system. The IR remote, now compatible with our A/C motor controls, can control up to 6 separate blinds, or groups of blinds. This convenience allows customers to use any combination of 6 blinds in a room and not move any but the one desired. Or, group some together, and the same button can control a set of blinds. The motors with built-in Touch Control can be caused to move simply by touching the shade. This innovation eliminates the need for a remote control. Wall switches are not compatible with these systems.

These motors can all be controlled by the IR transmitting Chronolux timer, which looks like a wall mounted thermostat, and allows a client to set times for actions on these motorized blinds or shades.

### A/C Motor Control Systems

The Vertilux Collection of motor controls for A/C motors is as diverse as our collection of D/C controls. Included are: hard switch, Infrared (IR), Radio Frequency (RF), and built-in. These A/C motor systems are detailed here:

The A/C motors include the Atos motors (50mm) as well as the MX40 and MX80 motors. All of these are built with ~110v, and can be hard wired, do not use a power supply, and can use a wall switch. They can also be connected to a headrail control (A/C version), and then controlled with either IR or RF remote control.

This is a versatile system that can be integrated with any collection of the A/C motors, as well as the D/C LW25. These motors can to work in groups, with timers, wind control, and even computer control. Or, use a simple wall switch.

The A/C motor controls, as well as the D/C motor controlled by the headrail control, can easily be programmed by remote control, computer, or PDA. They can all be switched from IR to RF and back without a major change in hardware. Simply change the receiver port to the desired technology, and make sure that you have the correct remote control. Note that the RF remote controls are actual dual format, so they already work with both IR and RF. These motors can all be grouped easily, without the need for a separate group control to be purchased or used.

These motors can all be controlled by the IR transmitting Chronolux timer, which looks like a wall mounted thermostat, and allows a client to set times for actions on these motorized blinds or shades.

### IR versus RF Motor Control Systems

Using the Vertilux headrail control board for A/C or D/C motors allows a wealth of flexibility never before available.

Any motor equipped with an the control board can use either IR or RF control. Options exist to use both. The ease of changing is as easy as plugging a cord into a port. Should it be desired, a customer can have an IR receiving eye, on every blind, but only one is needed per average room. This, along with the fact that the systems allow a customer to use only a single RF antenna, allows for cost savings. The same flexibility exists for the remote control transmitters. A customer can have as many or as few as they want for a project. Because the RF controller transmits RF as well as the IR signals, this is the recommended programming tool for dealers (the 24 channel version is best.)

Because the system does it's own group controlling, fabricators can have a room of 10 blinds working independently and grouped, such that each blind can work on it's own button set, and can also be grouped into sets, so other buttons can control other subsets of blinds.

The preferred remote control method is IR, but some applications will require RF control, and when this occurs, check for interference in the area (nearby police stations, hospitals, and other such facilities can interfere with RF signals. Remember that if you encounter such interference, it is easy to change to IR using our system- without any major disassembly.

The programming can be done by either remote control, PDA, or computer. Any option is easy enough to use.