



Universal Mount Chilled Water and DX controls. CFFCA, FSFCA, CFFWA, and CFFZA all use the controls described here.

Over the years Multiaqua has used four types of controls on Universal Fan Coils. The following pages will outline the various controls used.



# The "Q" Control





## The “Q” Control

The “Q” control consists of a wired “longbody” remote, a connection cable, and a control board. The board is thermistor equipped to control air temperature.

The remote is designed to be wall mounted (bracket included) close to the fan coil; and is used to select temperature, mode (heat/cool) and fan operation from the remote.

The remote communicates to the “Q” control board (part # W888/MB) The remote, and board can not be ordered separately, use the control board part number to order the assembly.

This control is capable of controlling heating/cooling in water and DX fan coils. Universal fan coils must come equipped with an expansion valve if used in a heat pump application. A check valve must be added to the system in order to bypass the TXV in the heat pump mode.

# The "S" Wired-Wireless Control





## The “S” Wired-Wireless Control

The “S” control consists of a wired wall mounted receiver for the “wireless” remote control. The receiver doubles as a mode status indicator for fan coil operation.

The remote selects temperature, mode (heat/cool) and fan operation. The board (part # WDWL888/MB) utilizes a thermistor to control air temperature. (The board can be utilized with additional control and piping modifications to control heat and cool operation of a 4 pipe system matched with the 2 pipe universal fan coils. Please contact Multiaqua Product Support for further information.) Should you need the remote connecting cable, or receiver with a board replacement you will need to order the control board as “set complete”; which will include control wiring and receiver for the “S” control .

This control is capable of controlling heating/cooling in water and DX fan coils. Universal fan coils must come equipped with an expansion valve if used in a heat pump application. A check valve must be added to the system in order to bypass the TXV in the heat pump mode.

# The "T" Control





## The “T” Control

The “T” control consists of a receiver externally mounted in the cabinet which passes communication back and forth between the remote and control board. This control is the predecessor of the “S- Wired Wireless” control. The control is available as a service part only; though it is no longer offered with new production fan coils. The T control board is (part # LCD58/MB/AZ). The remote or receiver can not be ordered separately so the board must be ordered “set complete”, which replaces all components; or upgrade to an “S” Control. The board utilizes a thermistor to control air temperature.

The remote is used to select room temperature, mode (heat/cool) and fan operations.

This control is capable of controlling heating/cooling in water and DX fan coils. Universal fan coils must come equipped with an expansion valve if used in a heat pump application. A check valve must be added to the system in order to bypass the TXV in the heat pump mode.

## The “U” Control

The new “U” Control universal fan coils are set up to take advantage of standard thermostats. Fan controls and terminal connections for thermostats are built in the fan coil for both DX and Chilled water use.

