

UC 601 Universal Control – Float Switch Feature

PURPOSE

The Float Switch Feature was added to provide additional car protection for an elevator installed in a flood prone area.

INSTALLATION

The Float Switch Kit P/N 80211371 must be installed per the instructions included in kit and the UC601 control must be updated to firmware revision 2.40 or higher to add the Float Switch Feature.

OPERATION

Once the Float Switch Kit is installed and the UC601 firmware is updated, the Float Switch Feature operates as follows.

The Float Switch Feature is always enabled but by using the Setup Utility on the CPU board, you can enable or disable whether a service call is required to return the elevator to normal operation after the Float Switch has been tripped. If disabled, when the water level drops below the Float Switch trip point, the elevator automatically returns to normal operation. If enabled, when the level drops below the Float Switch trip point, the elevator remains inoperable until an Authorized Inclinator Dealer resets the control. The default for this setting is, service call required.

ELEVATOR CONFIGURED TO REQUIRE A SERVICE CALL TO CLEAR FAULT

Car Stopped when the Float Switch is tripped.

The car will begin to move upward to the highest available floor.

The “Call for Service” LED on the COP will blink and all PIs will alternately blink between the car position with an up arrow and “FS”, “FS” for Float Switch.

The LCD display on the CPU board will display:

“ Pit Float Sw Fault ”

“ Call for Service “

When the car stops at the highest floor, the “Call for Service” LED on the COP will blink and all PIs will alternately blink between the car position and “FS”.

The LCD display on the CPU board will display:

“ Pit Float Sw Fault ”

“ Call for Service “

The elevator is now inoperable and will remain inoperable until an Authorized Inclinator Dealer resets the control.

Car Moving Down when the Float Switch is tripped.

The car will immediately stop, and then begin to move upward to the highest available floor.

The “Call for Service” LED on the COP will blink and all PIs will alternately blink between the car position with an up arrow and “FS”.

The LCD display on the CPU board will display:

“ Pit Float Sw Fault ”

“ Call for Service “

When the car stops at the highest floor, the “Call for Service” LED on the COP will blink and all PIs will alternately blink between the car position and “FS”.

The LCD display on the CPU board will display:

“ Pit Float Sw Fault ”

“ Call for Service “

The elevator is now inoperable and will remain inoperable until an Authorized Inclinator Dealer resets the control.

Car Moving Up when the Float Switch is tripped.

The car will continue to move upward to the requested floor, then stop and allow 10 seconds for the operator to exit the car at which time the car will begin to move upward to the highest available floor. If the gate or door is still open, the car will wait for them to close before moving.

The “Call for Service” LED on the COP will blink and all PIs will alternately blink between the car position with an up arrow and “FS”.

The LCD display on the CPU board will display:

“ Pit Float Sw Fault ”

“ Call for Service “

When the car stops at the highest floor, the “Call for Service” LED on the COP will blink and all PIs will alternately blink between the car position and “FS”.

The LCD display on the CPU board will display:

“ Pit Float Sw Fault ”

“ Call for Service “

The elevator is now inoperable and will remain inoperable until an Authorized Inclinator Dealer resets the control.

CLEARING A FLOAT SWITCH FAULT

A Float Switch Fault can only be cleared by an Authorized Inclinator Dealer. Turning the elevator power off and back on will not clear the fault. When an Authorized Inclinator Dealer connects their pendant to the CPU board, the LCD display message will change and explain how to clear the Float Switch Fault.

ELEVATOR CONFIGURED TO AUTOMATICALLY CLEAR FAULT

Car Stopped when the Float Switch is tripped.

The car will begin to move upward to the highest available floor.

All PIs will alternately blink between the car position with an up arrow and "FS".

The LCD display on the CPU board will display:

" Pit Float Sw Fault "

" Usage is Limited "

When the car stops at the highest floor, all PIs will alternately blink between the car position and "FS".

The LCD display on the CPU board will display:

" Pit Float Sw Fault "

" Usage is Limited "

The elevator is now inoperable and will remain inoperable until the water recedes enough for the Float Switch to reset.

Car Moving Down when the Float Switch is tripped.

The car will immediately stop, and then begin to move upward to the highest available floor.

All PIs will alternately blink between the car position with an up arrow and "FS".

The LCD display on the CPU board will display:

" Pit Float Sw Fault "

" Usage is Limited "

When the car stops at the highest floor, all PIs will alternately blink between the car position and "FS".

The LCD display on the CPU board will display:

" Pit Float Sw Fault "

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The elevator is now inoperable and will remain inoperable until the water recedes enough for the Float Switch to reset.

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The car will continue to move upward to the requested floor, then stop and allow 10 seconds for the operator to exit the car at which time the car will begin to move upward to the highest available floor. If the gate or door is still open, the car will wait for them to close before moving.

All PIs will alternately blink between the car position with an up arrow and "FS".

The LCD display on the CPU board will display:

" Pit Float Sw Fault "

" Usage is Limited "

When the car stops at the highest floor, all PIs will alternately blink between the car position and "FS".

The LCD display on the CPU board will display:

" Pit Float Sw Fault "

" Usage is Limited "

The elevator is now inoperable and will remain inoperable until the water recedes enough for the Float Switch to reset.