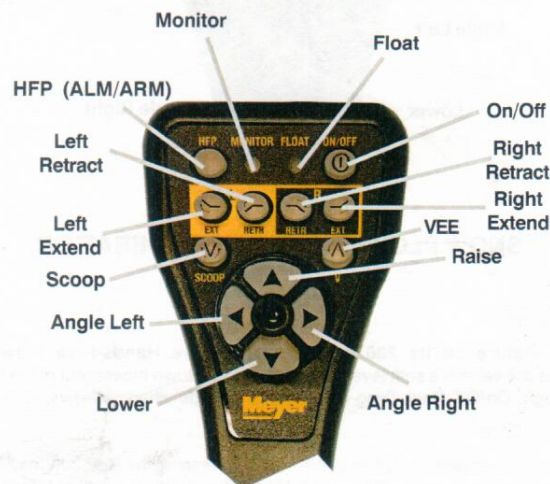


# Installation Instructions

## Part No. 23074 Pistol Grip Deluxe V-70 Horizontal Operating System Controller Installation & Operation



### SNOW PLOW CONTROLLER OPERATION

The snow plow should only be in operation when the vehicle ignition switch and the control switch are in the "ON" position. Care should be taken to ensure that the control switch is kept dry and free from moisture during normal operation. When operating the snow plow lights the vehicle headlight switch must be turned to the park position so the vehicle headlights and snow plow lights are not on at the same time.

By tapping the ON/OFF pad once, it will turn ON the snow plow lights low beam only. The plow will be OFF. The ON/OFF pad will illuminate AMBER. By tapping the ON/OFF pad again, it will switch to high beam. The plow will remain OFF. The monitor LED will illuminate BLUE. When the ON/OFF pad is continuously depressed for more than 1 second, it will turn ON the plow control switch and the snow plow lights low beam. Tapping the ON/OFF button again will turn on the high beams of the snow plow lights and the monitor LED will turn BLUE to show the plow lights are in the high beam position. The ON/OFF button, when tapped will toggle between low and high beam for the plow lights. The controller pads will illuminate GREEN showing the location of the individual touch pads for the functions of the snow plow Up, Angle Left, Angle Right, Left Extend (V only), Left Retract (V only), Right Extend (V only), Right Retract (V only), Scoop (V only), Vee (V only) and Down. By continuously depressing the ON/OFF pad a second time for more than 1 second, it will turn OFF the plow control switch and the GREEN pad illumination. Snow plow lights will remain ON until ignition is turned OFF. To change this "HEADLIGHT STAYS ON" mode to "HEADLIGHT TURNS OFF WITH PLOW" mode, please follow the instructions below:

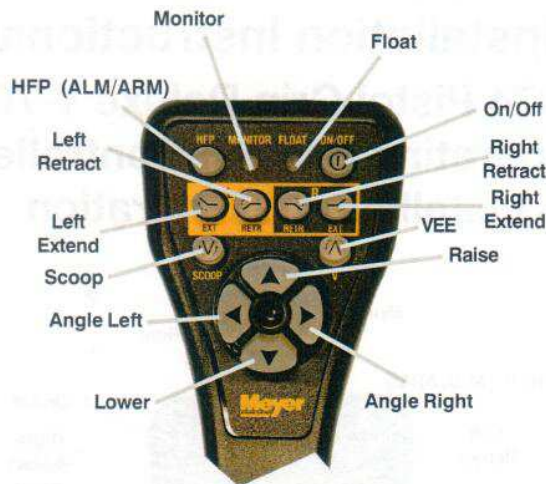
**Headlight Turns OFF with Plow Mode:** To engage this mode, after turning ON the ignition switch, hold down the HFP button and depress ON/OFF button continuously for 1 second. The float LED will blink twice and then turn ON the plow control switch and the snow plow lights low beam. Release the HFP button to operate plow controller. By continuously depressing the ON/OFF pad a second time for more than 1 second, it will turn OFF the snow plow lights, control switch and the GREEN pad illumination.

**Headlight Stays ON Mode:** To engage this mode, after turning ON the ignition switch, hold down the HFP button and depress ON/OFF button continuously for 1 second. The float LED will blink four times and then turn ON the plow control switch and the snow plow lights low beam. Release the HFP button to operate plow controller. By continuously depressing the ON/OFF pad a second time for more than 1 second, it will turn OFF the control switch and the GREEN pad illumination. Snow plow lights will remain ON until ignition is turned OFF.

Lowering of the snow plow an inch at a time is possible by tapping the down arrow in short intervals. Holding down the down arrow will activate a float light located in the upper right corner of the control switch. This light indicates the snow plow is now in the Lower/Float position. In this position the snow plow will be able to follow the contour of the road and the snow plow can also be angled to the left or right. Touching the up arrow automatically cancels the Lower/Float position.

While angling left or right or raising the snow plow if the button is pressed for more than six seconds the operation will be cancelled. This feature eliminates unnecessary amp draw from the vehicle charging system.

By double tapping the Up, Angle Left, Angle Right and Down arrows quickly, the control switch will automatically move the plow to the maximum desired position then stop.



## SNOW PLOW CONTROLLER OPERATION

### Hands-Free Plowing or ALM/ARM:

Meyer re-branded the ALM/ARM feature on its 23074 controllers to be Hands-Free Plowing (HFP)™. When activated, the Hands-Free Plowing (HFP) mode uses the vehicle's shift lever to control the up/down movement of the moldboard. Pressing the HFP button on the controller will toggle you through: On/Off, Back-Drag Mode (default mode when active), and Forward Plowing Mode.

### Back-Dragging Mode or ALM:

When the controller is on and you are in the conventional plow control mode, pressing the HFP button will activate Hands-Free Plowing (HFP). The default mode for HFP is the Back-Drag Mode. In the Back-Drag Mode, the moldboard will automatically lower when you put the vehicle in reverse. Put the vehicle in drive to automatically raise the moldboard.

### Forward Plowing Mode or ARM:

To activate the Forward Plowing Mode when HFP is already on, press the HFP button once. The moldboard will automatically lower when you put the truck into drive. When you reach the end of a run, the moldboard will automatically raise when you put the vehicle in reverse. To turn the HFP feature off, press the HFP button until you see the HFP light go off.

This switch is self diagnosing. The monitor light is located in the upper left corner next to the float light of the control switch. When the monitor light turns on and begins to flash, the control switch is sensing a problem with a specific coil/connection on the hydraulic unit. The table shown below is located on the back side of your control switch.

Reset is accomplished by turning off the ignition switch or by turning the power switch off momentarily and then back on. If the monitor light is still illuminated after attempts to reset the switch have failed, contact your nearest authorized Meyer Distributor for repairs.

### Imprinted on backside of Controller

Systems Monitor LED Read-Out Light Flashes Check Coil (wire Color)
Continuous Light---Motor Solenoid 1 Light Flash---Red 2 Light Flashes---Black 3 Light Flashes---Green 4 Light Flashes---Yellow 5 Light Flashes---Lt. Blue 6 Light Flashes---Purple

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