

# Installation Instructions

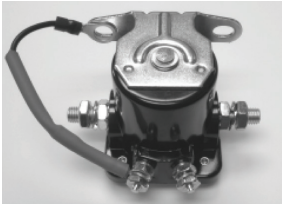
## Part No. 23010 Wireless Snow Plow Controller Kit

### Installation & Operation

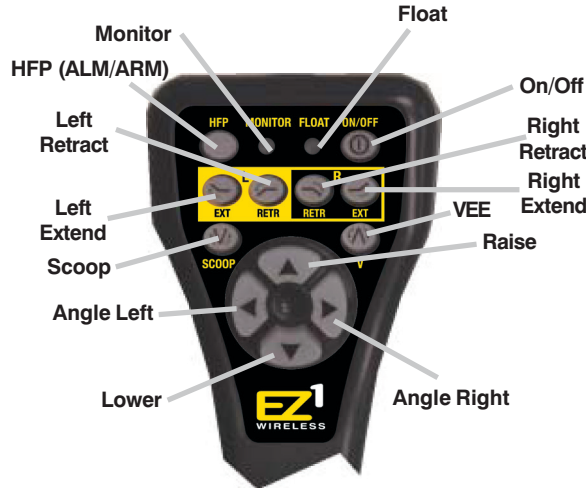
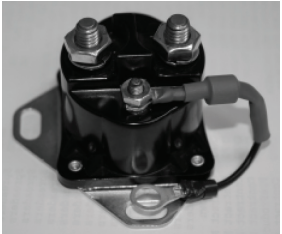
#### INSTALLATION INSTRUCTIONS

When installing motor solenoid part number 15370 (per form number 1-883) or If motor solenoid is already installed on the vehicle, the enclosed diode part number 15059, must be connected to the small terminal white wire of the motor solenoid and to the motor solenoid mounting bracket as shown below. **Note: Motor Solenoid must have a good ground in order to operate properly.**

#### 4 Post Motor Solenoid



#### 3 Post Motor Solenoid



#### 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

#### 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 the control switch is turned "On", lights illuminate 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. This switch has an auto detect feature which allows it to operate either the E-58H, E-70, E-72 or V-70 unit.

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.

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

Meyer re-branded the ALM/ARM feature on its 22690X 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 label below is 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.

When the controller is turned on it will activate the snow plow lights. When the controller is turned off or removed from the harness this will activate the vehicle headlights.

Meyer Products LLC reserves the right, under its continuing product improvement program, to change construction or design details, specifications and prices without notice or without incurring any obligation. **Meyer Products LLC assumes no responsibility for installations not made in accordance with these instructions.**

## Part No. 23010 Wireless Snow Plow Controller Kit

To satisfy FCC RF Exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Contains Transmitter Module FCC ID: OA3MRF24J40MA

## Sync Instructions

- 1) Make sure both devices are powered OFF.
- 2) Connect the receiver, should automatically power ON.
- 3) On the controller, hold down the MODE button and the POWER button simultaneously until LEDs flash.
- 4) Press the SYNC button on the receiver module.
- 5) Wait until the LEDs are finished flashing, the blue LED will stop flashing and then shut down everything.
- 6) Press the POWER button to turn device ON, the blue LED on the receiver will turn ON if paired correctly.

## Operating Specifications

Operating Voltage Range: 9 to 16Vdc  
Output Current: 4A MAX for Headlamp Changeover  
2A MAX per Solenoid Output  
Temperature Range: -30°C to +45°C

Meyer Products LLC reserves the right, under its continuing product improvement program, to change construction or design details, specifications and prices without notice or without incurring any obligation. **Meyer Products LLC assumes no responsibility for installations not made in accordance with these instructions.**