

The Evo™/IRC-Remote is a handheld infrared remote control configured to adjust a General Electric ECM Motor Controller.

An EVO/ECM-IRC control sends the ECM motor a FLOW INDEX and a GO signal. The motor sends back a status signal that is connected to a **red lamp**. The control includes an infrared remote receiver.

The handheld remote sends infrared remote commands to the EVO/ECM-IRC control, allowing remote adjustment of the ECM motor. Using the remote, you can turn the motor on/off, adjust the flow index from 1-100 and read the current settings.

Point the remote at the target (**red lamp** if the motor is on) on the equipment. Operate the **on/off** button or any of the four **↑/↓** buttons. The **green lamp** near the target lights, indicating you are in an adjustment session. Continue to operate the **on/off** button or any of the four **↑/↓** buttons to achieve the desired settings. Press the **Enter** button to save your new settings and exit the adjustment session. Press the **Clear** button to delete your new settings, revert to the original settings and exit the adjustment session. If you enter an adjustment session and do not make any adjustments for 15 minutes, the adjustment session automatically clears.

Use the **Clear** button to read the current settings. Point the remote at the target and press the **Clear** button. A **green lamp** begins to flash indicating the signal was received. The flash sequence indicates the current flow index. The sequence occurs in two sets. The tens (1st) set uses long flashes to indicate the tens digit. The units (2nd) set uses short flashes to indicate the units digit. An extra long flash in the tens set or the units set indicates the value of the corresponding digit is zero.

- A flow index of 24 flashes two longs, then 4 shorts.
- A flow index of 89 flashes 8 longs, then 9 shorts.
- A flow index of 30 flashes 3 longs, then an extra long.
- A flow index of 04 flashes an extra long, then 4 shorts.
- A flow index of 100 flashes 10 longs, then an extra long.

Use the **On/Off** button to turn the motor on or off. Point the remote at the target on the equipment and press the **on/off** button. If you press **Enter** while the motor is off, the motor stays off, even through a power on/off cycle.

Adjust the flow index using the **↑/↓** buttons. The **↑/↓** button pair on the left adjusts the index **↑/↓** 10. The **↑/↓** button pair on the right adjusts the flow index **↑/↓** 1. Using the **↑/↓** 10 pair, you can quickly move the index up and down. Using the **↑/↓** 1 pair, you can precisely set the index to achieve the desired flow. During an adjustment session, the **green lamp** blinks each time you make a valid entry. If the flow index is already 100, and you try to increase the flow index, the **green lamp** does not blink, and the increase does not occur. If the flow index is at 91 and you press the **↑** 10 button, the **green lamp** does not blink and the increase does not occur because your entry would take the index above 100. When the flow index is greater than 90, use the **↑** 1 button to increase the index. The **↓** 1 and **↓** 10 keys respond in a like manner when you try to set the flow index below 1. (Zero is not a valid flow index).

Batteries

Two AA batteries power the EVO/IRC-Remote. Remove the sliding door on the back of the unit to expose the battery compartment. Remove the old batteries. Insert the new batteries in the position indicated by the battery pictures molded into the bottom of the battery compartment. The battery spring clips are difficult, so you may need to use a small screwdriver to "shoehorn" the batteries into place.

For maximum battery life, store the EVO/IRC-Remote so the buttons are not pressed. While current drain is minimum when the unit is not sending infrared signals, some battery current is drawn to sense the pressed key.