

The operating element featuring infinite rotation, clear LED position indication and variable functionalities.

optojog is HBC-radiomatic's clever new development for the control of a variety of machine functions. This HBC innovation is available for setting a switchable output value ("Value Select"), for the preselection of operating modes ("Mode Select"), as well as a version for choosing and controlling the direction of travel ("Steering Control").

optojog comes with 24 detents spanning its complete 360° rotation and up to 12 LEDs can be positioned around circumference of the switch. By illuminating in green or red, they indicate the position and status of the respective optojog functionality. In addition, the operator can customize the available functions using machine feedback. For example, certain values can be locked and the red LEDs illuminated to indicate which values cannot be selected.



Your benefits:

- Infinite rotation allows for convenient and intuitive operation.
- Perfect visibility via colored LED indication.
- Customized labeling of functions available on the transmitter's front panel.
- The operator can choose between saving the selected position or setting a default value when the system is restarted.



Application options:

- Serves as an intuitive human-machine interface (HMI) for the operator.
- Allows for interactive machine control and customized user control.
- Offers additional safety: For example, machine feedback can be used to automatically lock functions.



Quality in Control.

Versions and specifications at a glance.

optojog with "Value Select" function:

- This optojog variant can be used as a smart potentiometer.
- Machine feedback can be used to limit or expand the value range.
- Rotation is used for increasing or decreasing a function's output values (e.g. motor speed).
- By means of clockwise rotation, the operator can increase the function's output value. The number of activated LEDs will increase accordingly.
- When all LEDs are illuminated the output is maximized (further clockwise rotation will no longer impact the output value).
- To decrease the value, the optojog is turned counterclockwise.



optojog with "Mode Select" function:

- For the preselection of operating modes or functions. Up to 12 operating modes / functions can be chosen.
- The selection is indicated by an individual LED which illuminates at the respective position.
- The infinite rotation of the optojog allows for particularly convenient switching through all available operating modes / functions.
- There is also an option to lock certain operating modes using machine feedback.



optojog with "Steering Control" function:

- Rotation directly controls output of control / movement commands on the machine, e.g. to determine the direction of travel.
- In the initial 12 o'clock position, the machine direction is straight ahead.
- By a turn to the left or to the right, the operator can change the direction of travel. The degree of deflection and the direction are indicated by LEDs.



The details for your order:

Module code / order number	Designation
IE310009	optojog

Suitable HBC products:

optojog is available for all transmitters of spectrum series G II and for technos E.