

MAGNET MONITOR

WINKLE



The improved Magnet Monitor is a PLC driven monitor with new innovations that have never been replicated before. The new magnet monitor is operator programmable and can store 20 magnets. It has an HMI with a graph for hot mag, voltage, and amperage data. Operators can choose any beam programmed into the system or program a new magnet into the system in less than two minutes. It evaluates the status of the entire magnet system by acquiring data from sensors and comparing it to pre-programmed constraints that warn the operator of an impending system breakdown or failure in real-time.



AVAILABLE OPTIONS

- Expandable to store & monitor 50 magnets.
- External alarms can be added.
- Customizable, features can be added such as; magnet selector buttons on the HMI.

PLC Controlled Monitoring System.

Allen Bradley Micro 820 PLC Controlled Monitoring.

4" Allen Bradley Panelview 800 Touchscreen.

System Will Monitor up to 20 Magnets And/or Magnet Beams.

Operator Selects the Magnet or Beam to Be Used Out of a Recipe List.

Magnet Amps and Voltage Displayed With Hot Mag Graph for Visual Representation.

Voltage Transducer and Analog Signal Conditioner for Use With Preinstalled Shunts.

In Cab Warning Light and Audible Alarms.

Relay Outputs Preprogrammed for Optional Bridge Mounted Alarms.

Easily Add, Remove, and Edit Magnet and Beam Data.

NEMA 4x Enclosure.

INSTALLATION

Wire the ampere shunt to terminals 7 and 8 on the right transducer. Use shielded cable and connect ONE side of the shield to ground

If not already fused tap off the magnet controller line side and install 1-amp fuses for both leads. The wires terminate on the left transducer. L- to terminal 7 and L+ to terminal 6.

The magnet monitor requires a 115vac supply which terminates at the power supply inside the magnet monitor panel. The power supply has overcurrent and reverse current protection. If fusing the line side of the transformer use a 3-amp fuse.

OPERATING INSTRUCTIONS

- On the STARTUP screen press MAG SELECT
- Use the ARROWS to the left of the MAG SELECTOR to highlight the desired mag setup and press the ENTER button below the ARROWS.
- Press RESTORE – The recipe will populate in the recipe table on the lower half of the screen.
- Press DOWNLOAD – to set the recipe value in the PLC
- Press GO TO MAIN – under MAG A/C the cold amperage of the current RECIPE will be displayed.
- The Magnet Monitor is ready for use.

CHANGING INGREDIENT *AMPS*

- On the STARTUP screen press MAG SELECT
- Use the ARROW keys to select the recipe to be modified and then press the ENTER key below.
- Press the RESTORE button
- Press ENTER above the GO TO MAIN button
- TYPE in the new INGRIDIENT value for "AMPS" press ENTER on the virtual numerical pad.
- Press SAVE to store the value
- NOTE: To recover a stored value from the PLC select a MAG and press UPLOAD