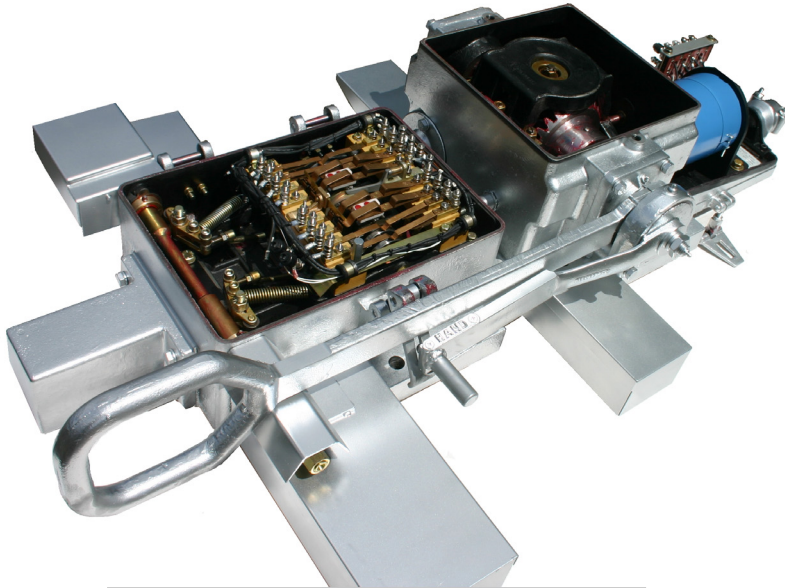


Intertech•Rail

1501 VENERA AVE STE
320A
CORAL GABLES FL
U.S.A.



IRM23 Mainline Switch Machine

The IRM23 switch machine is a rugged and reliable dual control electric switch machine. It is available in several different gear ratios and provides independent locking and point detection for main-line applications.

Available in 110 or 20 volt operating voltages for both 3 and 5 wire control and can be configured with either an "A" or "B" style hand-throw pinion.

Features include improved loop style hand throw for safety and an improved permanent magnet motor design for reliability..

Features / Benefits

- "A" or "B" Style
- Independent Lock and Point Detection
- 24 or 110 VDC Operation
- 189:1, 360:1 and 528:1 Gear Ratios
- Rugged Permanent Magnet Motor
- Mechanical Controller
- Loop Style Hand Throw for Safety
- Extended Wire Harness Available
- 24V or 110 V heaters
- 3 or 5 wire control
- Custom Colors Available
- Ships in Enclosed Crate
- Includes Gear Box Lubricant
- Completely Interchangeable with M23
- Meets all AREMA Specifications
- 5 Year Warranty

IRM23 Configuration Guide

R23-

A/B	Voltage	Ratio	Wiring	Indication	Det. Rod	Lock Rod	Heaters	Frame	Color
-----	---------	-------	--------	------------	----------	----------	---------	-------	-------

Hand Throw Locking

- A** Locks and Indicates on Hand Throw = A
- B** Does not Lock and Indicate on Hand Throw = B

Voltage (High or Low)

- H** 110V - Choose H
- L** 20V - Choose L

Gear Ratio

- 3** 360 = 360:1 Gear Ratio (~15 Sec)
- 5** 528 = 528:1 Gear Ratio (~26 Sec)
- 1** 189 = 189:1 Gear Ratio (~ 5 Sec, 110V)

Control Wiring

- 3** 3 = Factory wired for 3 wire control
- 5** 5 = Factory wired for 5 wire control
- 7** SP = Special

Note: All R-23 that are wired for 3 wire control can be field converted to 5 wire control

Left or Right Handed

- RR** R = Right Handed - RH Point Normally Closed
- LL** L = Left Handed - LH Point Normally Closed
- RL** RL = Right Hand - LH Point Normally Closed
- LR** LR = Left Hand - RH Point Normally Closed

Detector Rod Type

- L** L = Lug with 5/8 in. Hole
- T** T = 1"-8 Threaded End
- N** None

Lock Rod Type

- ST** ST = Single Thread
- SO** S = Single Offset
- DO** D = Double Offset
- NR** Not Required/Field Installed
- NN** Not Required/Cover Plates

- H** 110V Heaters, 30Watt
- L** 24V Heaters, 15Watt
- N** N = No Heaters

Frame Configuration

- M** M = 18.25 in. Wide w/ 1" Mounting Holes
- C** C = 18.5" Wide w/ 7/8" Mounting Holes

Color

- B** Black
- S** Silver
- C** Custom