

9.0 The Trigger

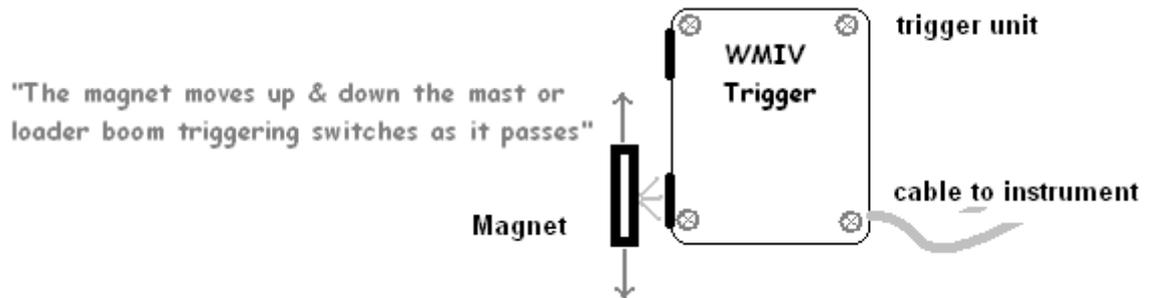


Figure XVIII the trigger system

The trigger box houses two(2) switches that are magnetically operated. Typically the magnet is secured to the moving section of the machine and as it passes the switches we can determine the

- Direction of lift (**TRIG1** before **TRIG2** means raising load)
- Speed of lift (with known separation of the switches and measured time to cover this distance we have the speed of the lift.)

Excellent weighing results are ensured if the operator passes through the trigger area in a smooth and steady manner.

NOTE: The trigger will only operate when the load is raised. There is no measurement taken when the load is lowered through the trigger.