

ELECTRONICS SPEED SWITCH (ESS)

APPLICATION

E.S.S. Finds application in speed monitoring of material handling systems, such as Belt/Screw conveyors, Elevators, Crushers, Darg Chains, Rotary feeder etc. Specific application include detection of jamming in feeders, sequential inter locking of conveyors. detectionof blade, breaking inrelaimer chain etc. ESS detects under / over speed condition by non contract method and provides, contract output fir protection, control & interlock purpose.

CONSTRUCTION :

Unit consist of a sensor probe and monitoring unit. Sensor probe is Non Contact Inductive Proximity switch epoxy potted housed in steel enclosure. Monitor is housed in die cast Alu housing epoxy painted. It is provided with potentiometric setting and calibration dial suitable speed range is 1-10, 10-100, 5-50, 50-500, 100 – 1000 and 500-5000 RPM, It has supply in, "Relay on" and "Signal" LED indication There is a output relay which operates at preset speed giving two change over contracts.

OPERATION :

The basic principal involved is comparison of pulses received from sensor probe with standard pulse. The sensor is to be installed with its sensing face in close proximity of rotating object. On this object, flag are to be fixed as shown in the table. The sensor products strong, electromagnetic waves which get disturbed by the flags, giving rise ti corresponding pluses. Those pulses are fed to the control unit where they are compared with standard pulses to sense the speed.



OTHER PRODUCTS

1. SPECIAL PULL-CHORD SWITCHES
2. HEAVY DUTY LIMIT SWITCHES
3. BELT TEAR SWITCHES
4. BELT LOADING MONITORS
5. TRIP INDICATION SYSTEMS
6. CHOTE JAM DETECTOR
7. LEVEL SWITCHES



SPECIAL PULL-CHORD SWITCHES



HEAVY DUTY LIMIT SWITCHES



BELT TEAR SWITCHES



BELT LOADING MONITORS

HEAT Technologies

rkbayani575@gmail.com, heattechnologiessales@gmail.com
Mob.: +91 9329103592, Ph.: 0771-4068579 Website : www.heattechnologies.in