



TECHNICAL SPECIFICATIONS:

- Temperature: 85°C
- Speed: 3600 Rpm
- Supply Voltage: 12VDC / 300mA
- Revolutions: 4096:1
- Switching: 12A / 250VAC – 8A / 30VDC
- Shaft Load: < 2.2Kg

ABS-E ROTARY LIMIT SWITCH

Description:

The ABS-E rotary crane limit was designed to be the go to product in overhead crane and hoist safety and protection. Experience with sub standard products and legacy technology was the driving force behind the creation of the ABS-E limit.

What makes this unit unique is the fact that is very consumer friendly and easy to set up. It works on the premise of answering a few simple questions or performing simple actions, where the unit will then do the necessary calculations and programming.

The unit can be used as a top and bottom limit in hoisting applications, with a slowdown and stop function, as well as a limiting device on the long and cross travel motions of a crane or hoist, again with slowdown and stop functionality.

After extensive research and in-house testing, various test installations were done at different sites and under different operational circumstances where various external and environmental factors came in to play. The limit exceeded all expectations and was praised for its sound structural design and easy installation and setup process.

The unit's top and bottom housings are machined from solid aluminium to ensure strength, durability and protection from the environment. There is an absolute encoder installed inside the bottom part that is connected to the electronic PCB. The bearing housings are machined into the bottom part and houses two bearings, secured by a circlip.

The drive shaft is manufactured from stainless steel. The one end is connected to the encoder inside the bottom part and the drive end of the shaft visible on the outside of the bottom part is equipped with a failsafe rigid type coupling.

The top part of the unit is fitted with a liquid crystal display that consists of a three button keypad used for the setup process.