



TACH-PAK® 1

Digital Process Tachometer

(Speed Switch Only)
CSA Listed
 Part Number Series T77130

Faster - More Accurate - Field Programmable

The **Tach•Pak 1** computing speed switch is a single channel instrument. It measures input frequency and converts the resulting quantities to relay closure.

The microcomputer-based Tach•Pak 1 speed switch uses adaptive period averaging which permits a combination of fast response and high accuracy not available in other industrial speed instruments. The instrument functions can easily be programmed in the field or altered at any time using a unique internal switch design.

Typically, a Tach•Pak 1 speed switch is used with magnetic sensors as a signal source. However, it may receive a sine wave or TTL signal from any frequency source. The resulting speed is used for alarm switching. It is superior in applications requiring fast update times and high accuracy for equipment protection.

It is the customer's responsibility to determine whether the product is proper for customer's use and application.

Features and Advantages

Quicker Response Time - 50 millisecond updates above 100 Hz.

Higher Level of Accuracy - $\pm .05\%$ for relay setpoints in operation over temperature ranges.

Field Programmable - Adaptable to various applications and requirements by utilizing a unique internal switch design. No additional calibration equipment is required.

Digital Configuration - Utilizes adaptive period averaging and floating point calculation.

2 Relays - Sealed 6 amp SPDT auto reset or latching.

AC or DC Power - Adaptable to either AC or DC power source.

Applications

- Fast response overspeed shutdown
- Petrochemical production applications
- Pump or generator alarm
- Low speed switching
- Start-up, over/under speed switching
- Textile production applications
- Machine control
- Paper and pulp production
- Turbine speed control
- Food processing
- Conveyor alarms
- Printing industry
- Metal production
- Mining applications
- Test labs
- Generator sets
- Broken or slipping belt drives

Ordering P/N	Input Power	Enclosure	Net Weight (lbs.)
T77130-11	120 Vac/24 Vdc	Standard NEMA 1	2.5
-12	240 Vac/24 Vdc	Standard NEMA 1	2.5
-41	120 Vac/24 Vdc	NEMA 4X *	5.7
-42	240 Vac/24 Vdc	NEMA 4X *	5.7
-71	120 Vac/24 Vdc	Explosion Proof **	39.0
-72	240 Vac/24 Vdc	Explosion Proof **	39.0

* See page 19 for dimensions

** See page 20 for dimensions