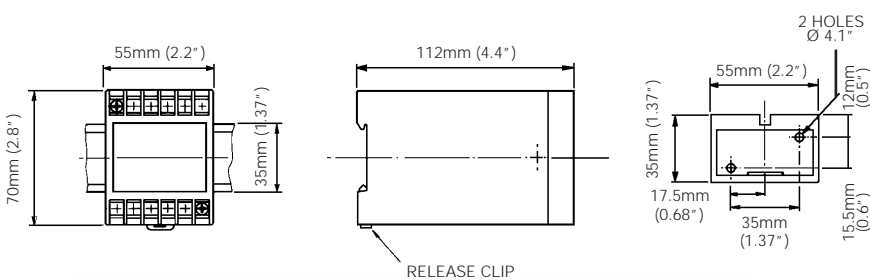


Specification – Speed Sensing

Pulse input (magnetic input)	5V – 75V peak to peak
Frequency input	0-1 to 0-10kHz
Overload	1.2 x rating continuously
Set point repeatability	>0.5% of full span
Differential (hysteresis)	Pre-set at 2% (SP1 version resets at 20% of setting)
Trip level adjustment	SP1 (crank): 10 to 50% SP2 (under-speed): 50 to 100% SP3 (over-speed): 100 to 130%
AC auxiliary supply voltage	100V, 110V, 120V, 208V, 220V, 240V, 480V, ±20%
DC auxiliary supply voltage	12V or 24V ±20%
Auxiliary voltage burden	3VA (max)
Analogue output	0.75mA for normal 100% speed 1mA for 133% of nominal speed
Calibration signal	0-1mA into 0-1000Ω
Output relay	3 1-pole change over relays
Relay contact rating	AC: 240V 5A, non inductive DC: 24V, 5A resistive
Relay mechanical life	0.2 million operations at rated loads
Relay reset	Automatic
Operating temperature	0°C to +60°C (0°C to +40°C for UL models)
Storage temperature	-20°C to +70°C
Temperature co-efficient	0.05% per °C
Interference immunity	Electrical stress surge withstand and non-function to ANSI/IEEE C37 90a
Enclosure style	DIN rail with wall mounting facility
Material	Flame retardant polycarbonate/ABS
Enclosure integrity	IP50
Compliant with	EMC, LVD, Safety Standard IEC 414 UL File No: E113067 recognised up to 600V
Model 253 dimensions	75mm (2.9") wide x 70mm (2.8") high x 112mm (4.4") deep

Dimensions

Model 253



Connections

253-PH3

