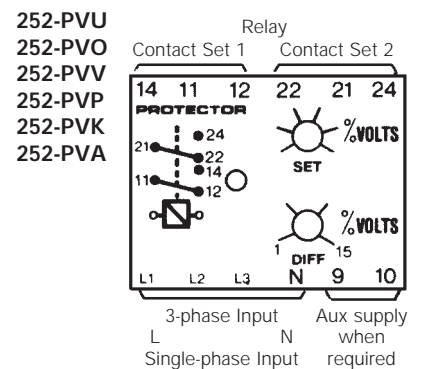


## Specification – AC Voltage with Adjustable Differential

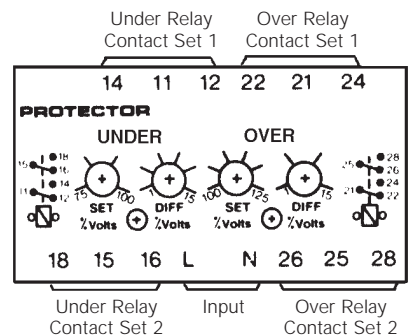
Nominal voltage	100V, 110V, 120V, 208V, 220V, 270V, 280V, 400V, 415V or 440V
System frequency	45/65Hz or 360/440Hz
Voltage burden	0.3VA approx.
Overload	1.2 x rating continuously, 1.5 x rating for 10 x seconds
Set point repeatability	>0.5% of full span
Differential (hysteresis)	Adjustable range 1 to 15%
Trip level adjustment	Under-voltage: 75 to 100% Over-voltage: 100 to 125% of nominal input voltage
Time delay	Factory pre-set up to 30 seconds
AC auxiliary supply voltage	100V, 110V, 120V, 208V, 220V, 240V, 480V, ±20%
DC auxiliary supply voltage	12V, 24V, 48V, 110V or 125V, ±15%. Max ripple 15%
Auxiliary voltage burden	4VA (max)
Output relay	2-pole change over
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 CSA File No: LR52592 up to 300V BV File No: 2650H-07427-AO PRSO BV (Model 253 only) ABS File No: 93-LD 17806-X (Model 253 only)
Model 252 dimensions	55mm (2.2") wide x 70mm (2.8") high x 112mm (4.4") deep
Model 253 dimensions	75mm (2.9") wide x 70mm (2.8") high x 112mm (4.4") deep
Weight	Model 252: 0.4Kg approx. Model 253: 0.6Kg approx.



## Connections

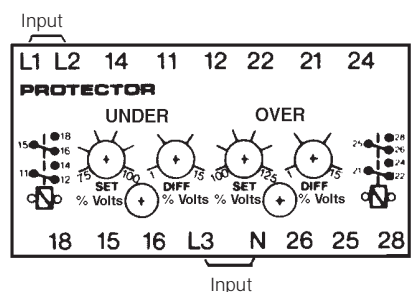


## 253-PVB



## 253-PVE

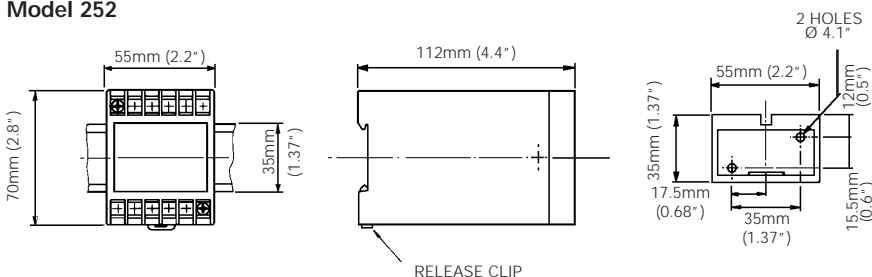
## 253-PVM



**Note:** The neutral connection is always used on four-wire systems.

## Dimensions

### Model 252



### Model 253

