


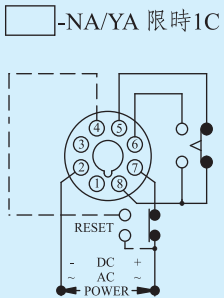
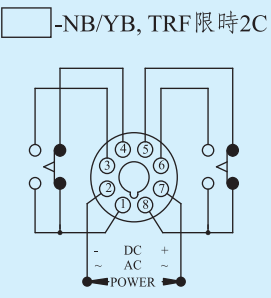
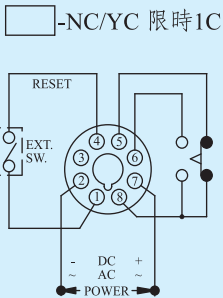
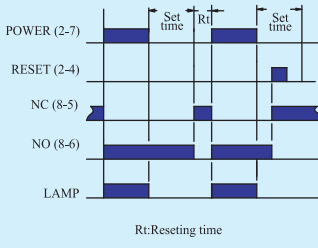
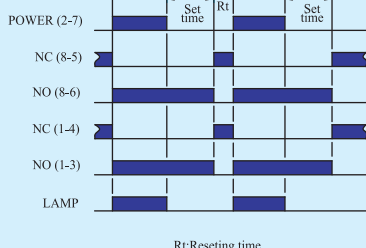
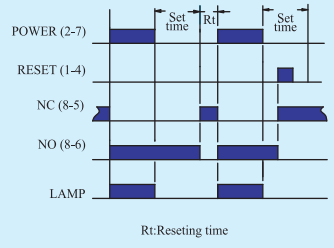



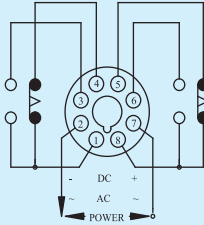
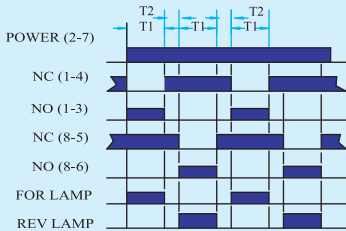





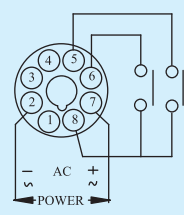
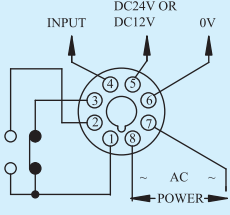
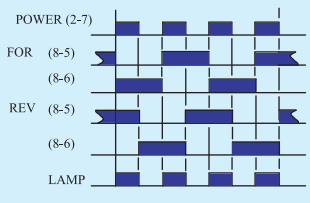
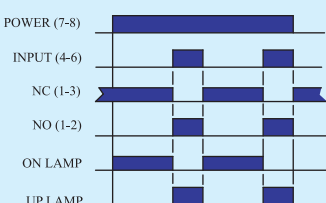
OFF DELAY RELAY 斷電延遲繼電器

SPECIFICATION 規格		ATF-N□	ATF-Y□	TRF
Model 型號				
Dimension(mm) 尺寸		61H*49W*70D	88H*58W*68D	50H*40W*57.5D
Time Range 時間範圍		Sec : 1, 3, 6, 10, 30, 60 Min : 3, 6, 10, 30, 60		50ms, 100ms, 150ms, 200ms, 300ms, 400ms, 500ms, 1s
Supply Voltage 額定電壓		DC(V): 12, 24 AC(V): 12, 24, 48, 110, 220, 240 380, 415, 440 50/60Hz		
Contact Rating 接點容量		250VAC 5A Resistive Load 48VDC 5A 電阻性負載		
Reset Time 複歸時間		0.2 sec max		
Consumed Power 消耗功率		2VA		
Ambient Temperature 使用周圍溫度		-10°C~ +55°C		
Ambient Humidity 使用周圍濕度		45~85%RH		
Life 壽命	Mechanical 機械	5×10 ⁶ times		
	Electrical 電氣	10 ⁵ times		
Weight 重量		220g		
Connection 接線圖				
Timing Chart 時序圖				



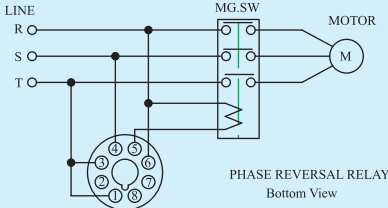
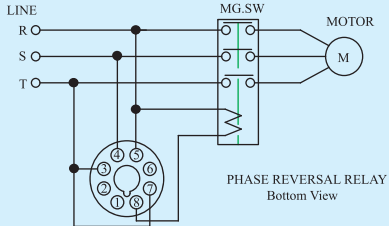
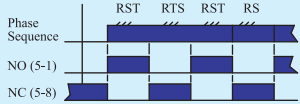
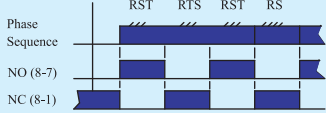
PROTECTIVE RELAY 保護繼電器

SPECIFICATION 規格		TWB-N	TWB-ND	BWB-N
Model 型號				
Dimension(mm) 尺寸		61H*49W*70D		
Time Range 時間範圍		FOR/REV: 30Sec or 60Sec variable STOP : 6Sec variable		FOR/REV: 99S, 99M or 99H STOP : 6S fixed upon clients' request
Supply Voltage 額定電壓		DC(V): 12, 24 AC(V): 12, 24, 48, 110, 220, 240 380, 415, 440, 50/60Hz		
Contact Rating 接點容量		250VAC 5A Resistive Load 48VDC 5A 電阻性負載		
Reset Time 複歸時間		0.2 sec max		
Consumed Power 消耗功率		2VA		
Ambient Temperature 使用周圍溫度		-10°C~+55°C		
Ambient Humidity 使用周圍濕度		45~85%RH		
Life 壽命	Mechanical 機械	5×10 ⁶ times		
	Electrical 電氣	10 ⁵ times		
Weight 重量		210g	230g	
Connection 接線圖		<p>限時2C</p> 		
Timing Chart 時序圖				

PROTECTIVE RELAY 保護繼電器

SPECIFICATION 規格	H2Q-N	H2Q-Y	PU-NC
Model 型號			
Dimension(mm) 尺寸	61H*49W*70D	88H*58W*68D	50H*40W*57.5D
Functions 功能特性	<ul style="list-style-type: none"> > With 2C (D.P.D.T) contact, it can choose positive edge trigger (power on) or negative edge trigger (power off) operation. > Contact can keep on after power off, and contact can revolve when next signal trigger. > 具有2C接點，可選擇正緣(通電)或負緣(斷電)動作。 > 斷電後接點可保持，當下一次訊號來時接點才可以轉換。 		<ul style="list-style-type: none"> > Power supply for proximity and photoelectric switches > Without change DIP switch can use for PNP or NPN type proximity switches > With DCV stabilizing device. > 近接光電開關用電源供給控制器 > 不需切換開關可用於電壓型(P型)及電流型(N型) > 輸出電源具有隱壓裝置
Supply Voltage 額定電壓	AC(V): 12, 24, 48, 110, 220, 240 380, 415, 440, 50/60Hz		
Contact Rating 接點容量	250VAC 5A Resistive Load 48VDC 5A 電阻性負載		
Reset Time 複歸時間	0.3 sec max		0.1 sec max
Consumed Power 消耗功率	2VA		
Ambient Temperature 使用周圍溫度	-10°C~+55°C		
Ambient Humidity 使用周圍濕度	45~85%RH		
Life 壽命	Mechanical 機械	5×10 ⁶ times	
	Electrical 電氣	10 ⁵ times	
Weight 重量	170g		
Connection 接線圖	<p>H2Q 限時1C</p> 		<p>PU-NC 輸出接點:1C</p> 
Timing Chart 時序圖			


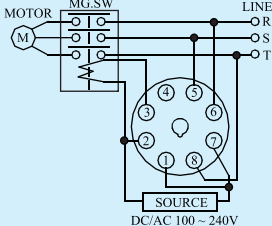
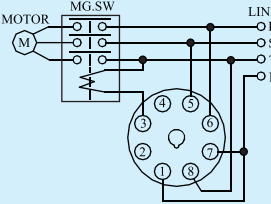
PROTECTIVE RELAY 保護繼電器

SPECIFICATION 規格		APR-3	APR-4
Model 型號			
Dimension(mm) 尺寸		50H*40W*57.5D	
Functions 功能特性		<ul style="list-style-type: none"> > Protecting three-phase induction motor reverse relay 220V source with surge absorber and high voltage protecting. > 防止三相感應馬達逆相運轉220V內加突波吸收器防止過高電壓，可有效保護負載。 	<ul style="list-style-type: none"> > With 3 phases voltage detecting to protect motor reversal relay. > Assure the sequence of 3 phases power source, to protect motor rev. > The output relay is energized when the phase sequence is correct and is deenergized when the phase sequence is wrong or one phase is lost. > 可確認三相電源之相序，防止馬達逆轉 > 按圖面接線，在缺相時可防止電磁接觸器動作 > 本保護繼電器，採用電壓檢出方式與負載電流無關 工作電壓為額定電壓95%~110%
Rated Voltage 額定電壓		AC(V): 220, 240,380, 415, 440 50/60Hz	
Contact Rating 接點容量		250VAC 5A Resistive Load 48VDC 5A 電阻性負載	
Reset Time 復歸時間		-----	
Consumed Power 消耗功率		2VA	
Ambient Temperature 使用周圍溫度		-10°C ~ +55°C	
Ambient Humidity 使用周圍濕度		45~85%RH	
Life 壽命	Mechanical 機械	5×10 ⁶ times	
	Electrical 電氣	10 ⁵ times	
Weight 重量		90g	
Connection 接線圖		<p>APR-3 輸出接點:1C</p> 	<p>APR-4 輸出接點:1C</p> 
Timing Chart 時序圖			

SINGLE PHASE PROTECTIVE RELAY 單相保護繼電器

SPECIFICATION 規格		APR-5□
Model 型號		
Dimension(mm) 尺寸	48H*48W*84D	
Funtions 功能特性	<ul style="list-style-type: none"> > Digital voltage display and fault detection. > Over voltage (50Hz~99Hz) and under voltage (10Hz~60Hz) detection. > Over and under voltage delay, from 1s to 10s. > Manual or auto reset, auto reset delay from 1s to 10s. > Over or under voltage bypass possible. > 為數位式電壓顯示及異常檢測器。 > 可作電壓過高測試 (50Hz~99Hz) 及電壓過底測試 (10Hz~60Hz)。 > 電壓過高及過低延遲時間可設定為1秒至10秒。 > 可設定手動或自動複歸, 自動複歸延遲時間可設定為1秒至10秒。 > 可設定電壓過高不檢測或過低不檢測。 	
Type & Supply Voltage 類型 & 額定電壓	<p>APR-5□1 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : AC 77 ~ 143V</p> <p>APR-5□2 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : AC 160 ~ 300V</p> <p>APR-5□3 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : AC 277 ~ 519V</p> <p>APR-5□D1 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : DC 77V ~ 149V</p> <p>APR-5□D2 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : DC 160 ~ 300V</p>	
Contact Rating 接點容量	250VAC 5A Resistive Load 48VDC 5A 電阻性負載	
Consumed Power 消耗功率	3.3VA	
Ambient Temperature 使用周圍溫度	-10°C ~ +50°C	
Ambient Humidity 使用周圍濕度	Max 85%RH	
Life 壽命	Mechanical 機械	5×10 ⁶ times
	Electrical 電氣	10 ⁵ times
Weight 重量	113g	
Connection 接線圖		
Timing Chart 時序圖		

THREE PHASE PROTECTIVE RELAY 三相保護繼電器

SPECIFICATION 規格		APR-5□	
Model 型號			
Dimension(mm) 尺寸	48H*48W*84D		
Funtions 功能特性	<ul style="list-style-type: none"> > Digital voltage display and fault detection. > Over voltage (50Hz~99Hz) and under voltage (10Hz~60Hz) detection. > Over and under voltage delay, from 1s to 10s. > Manual or auto reset, auto reset delay from 1s to 10s. > Over or under voltage bypass possible. > 為數位式電壓顯示及異常檢測器。 > 可作電壓過高測試 (50Hz~99Hz) 及電壓過底測試 (10Hz~60Hz)。 > 電壓過高及過低延遲時間可設定為1秒至10秒。 > 可設定手動或自動複歸, 自動複歸延遲時間可設定為1秒至10秒。 > 可設定電壓過高不檢測或過低不檢測。 		
Type & Rated Voltage 類型 & 額定電壓	APR-5 S1 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : 77V ~ 143V APR-5 S2 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : 160V ~ 300V	APR-5 S3 >輸入電壓 Input Voltage: DC/AC 100 ~ 240V >相位檢測 Phase Detect : 277V ~ 519V APR-5 T >輸入電壓 Input Voltage: 3 Phase 4Wire (三相四線式) >相位檢測 Phase Detect : 277V ~ 519V	
Contact Rating 接點容量	250VAC 5A Resistive Load 48VDC 5A 電阻性負載		
Consumed Power 消耗功率	3.3VA		
Ambient Temperature 使用周圍溫度	-10°C ~ +50°C		
Ambient Humidity 使用周圍濕度	Max 85%RH		
Life 壽命	Mechanical 機械	5×10 ⁶ times	
	Electrical 電氣	10 ⁵ times	
Weight 重量	113g		
Connection 接線圖	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>APR-5S□ 輸出接點:1C</p>  </div> <div style="text-align: center;"> <p>APR-5T 輸出接點:1C</p>  </div> </div>		
Timing Chart 時序圖	