EXPANDING SOLUTIONS

RELAY TERMINAL UNIT

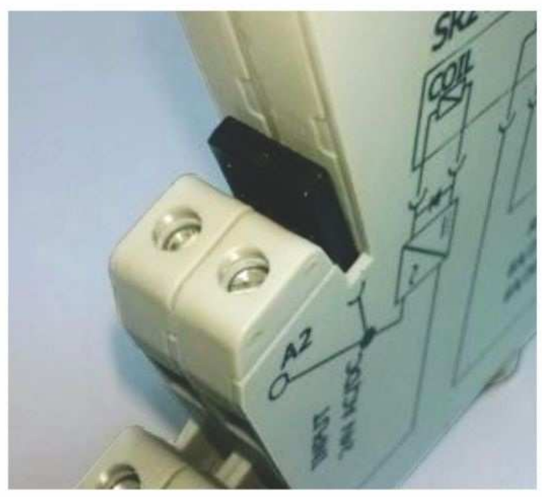
'elmex' introduces 6.2 mm, One Changeover & Solid State, terminal unit along with 14.5 mm Two Changeover Relay Terminal Unit for C & I and Automation industry. 6.2 mm housing makes it obvious choice for space constraint applications. These units are designed for mounting on TS 35 TOP HAT rails compliant to DIN Standards.

These units are available for 24V DC/AC and 220V DC/AC actuating signals.

Features

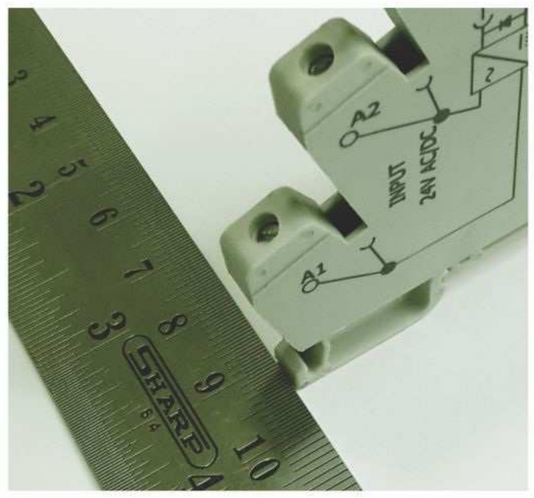
- 6.2 mm and 14.5 mm wide housing made from polyamide 6,6 complying flammability characteristics as per UL 94.
- Conductor clamping unit is positioned at 20 degrees for ease of control wire entry with minimum spacing between unit and cable ducts.
- Relay terminal unit comes with an actuating arm to facilitate detaching of relay from the terminal unit and functions also for retaining relay within housing when in operation.
- Relay terminal unit is designed for both AC and DC system.
- 70µ copper clade PCB is housed within the unit.
- Polarity independent coil connection.
- Quick connection shorting link for interconnecting multiple relay terminal unit specially for marking common coil / pole connection.

Relay Coil Energised Indication

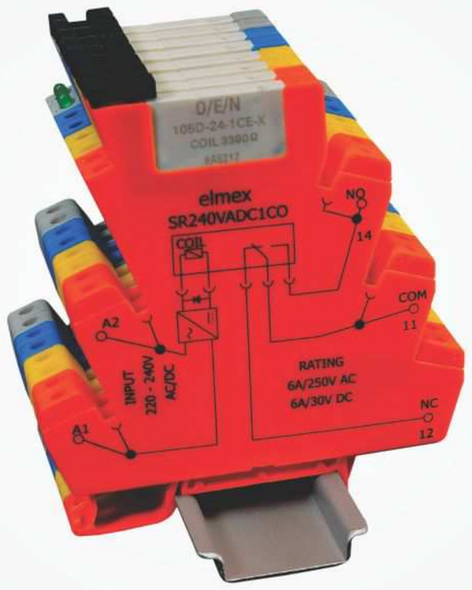


Quick Connect Links

Lever For Detaching Relays



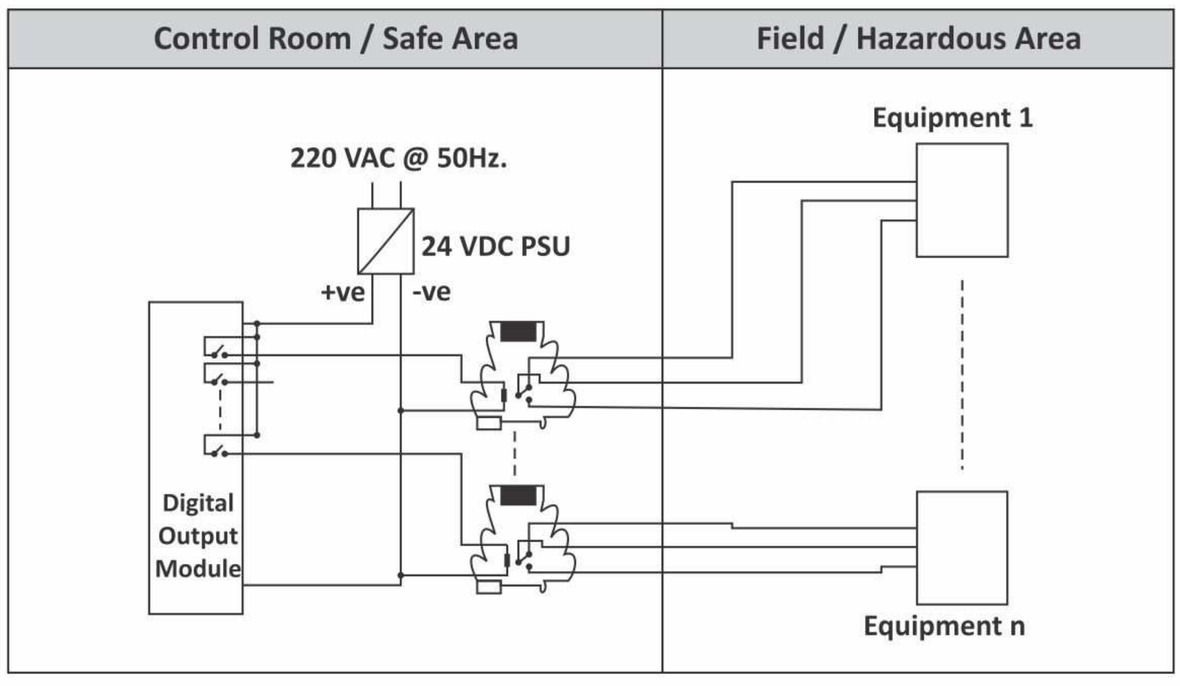
Sleek Design

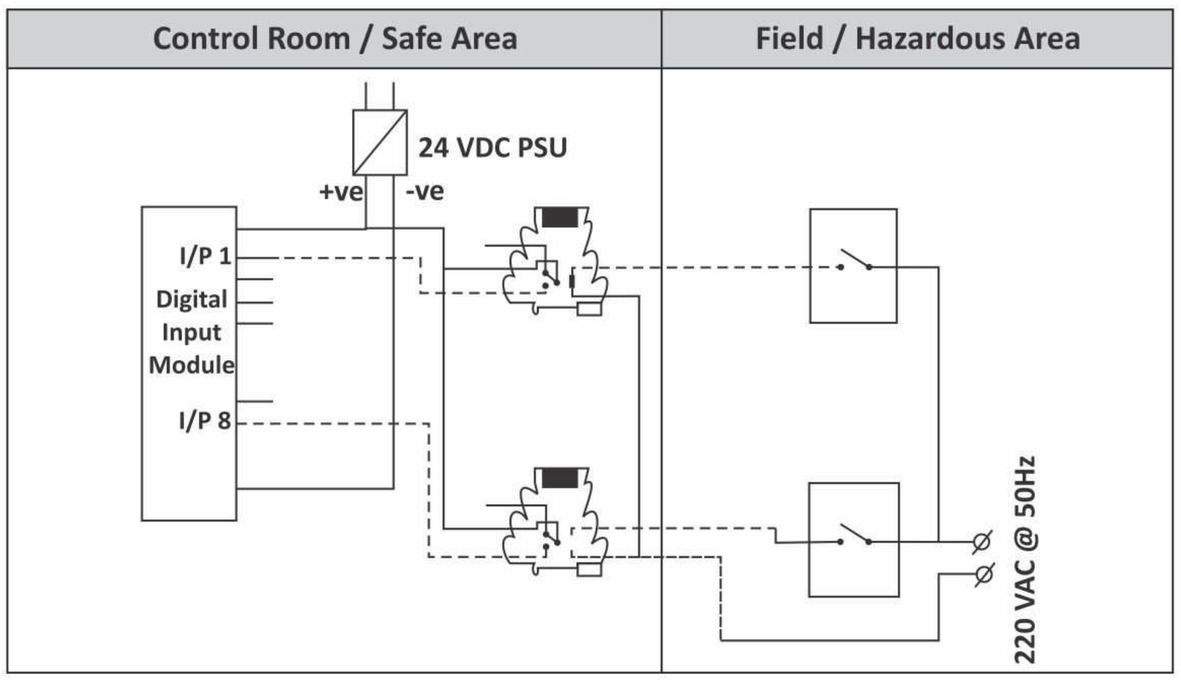


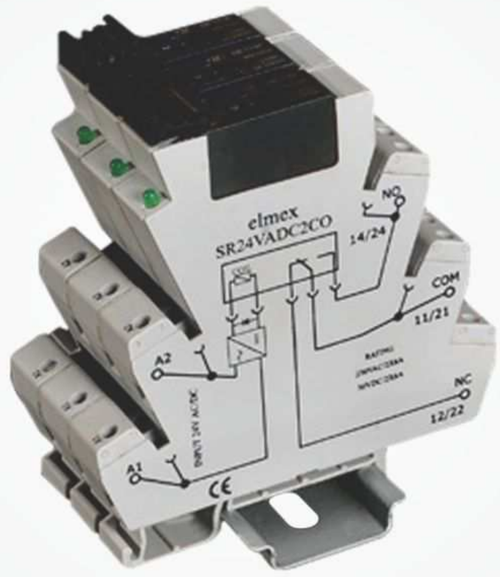
1 Changeover Electromechanical 6.2 mm Relay Terminal Unit

	Versions	
	SR 24 V ADC 1 CO	**SR 240 V ADC 1 CO**
Base Unit		
Pitch (in mm)	6.2	
Dimensions (Height X Width)(in mm)	91.50 X 88.20	
Connection Poles	2 Coil Side 3 Contact Side	
Connection Possibility	2.5 Sq. mm.	
Screw Size	M 2.6	
Torque	0.4 Nm	
Relay Actuation Data		
Nominal Voltage(Vn) to actuate	24 V DC/AC	220 V DC/AC
Must Pick-up Voltage	18 V DC/AC	190 V DC/AC
Must Drop Voltage	4 V DC/AC	35 V DC/AC
Nominal Current(In) to actuate	10 mA	15 mA
Contact Data		
Contact Rating	6 A, 250 VAC / 30 VDC	
Compatible Contact Arrangement	1 FORM A, 1 FORM C	
Contact Material	$AgSnO_2$	
Contact Resistance	100 mΩ @ 6 VDC, 1 A	
Maximum Switching Power	1500 VA / 144 W	
Relay Endurance Data		
Mechanical	6×10^4 for Normal Open Contact	
Electrical (Ohmic)	3×10^4 for Normal Open Contact	
Insulation		
Resistance(Initial)	Minimum 1000 MΩ at 500 VDC	
Dielectric Strength	1000 VAC (50 Hz.) for 1 Minute	
Others		
Operating Temperature	-20°C to 55°C	

Applications



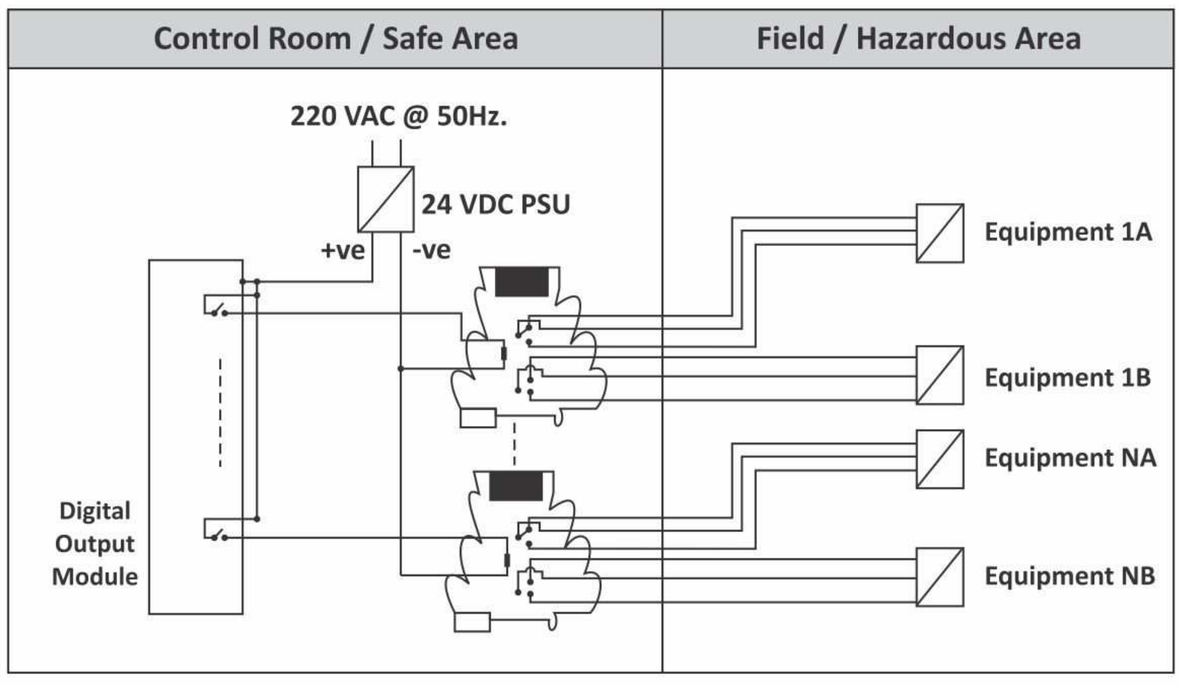


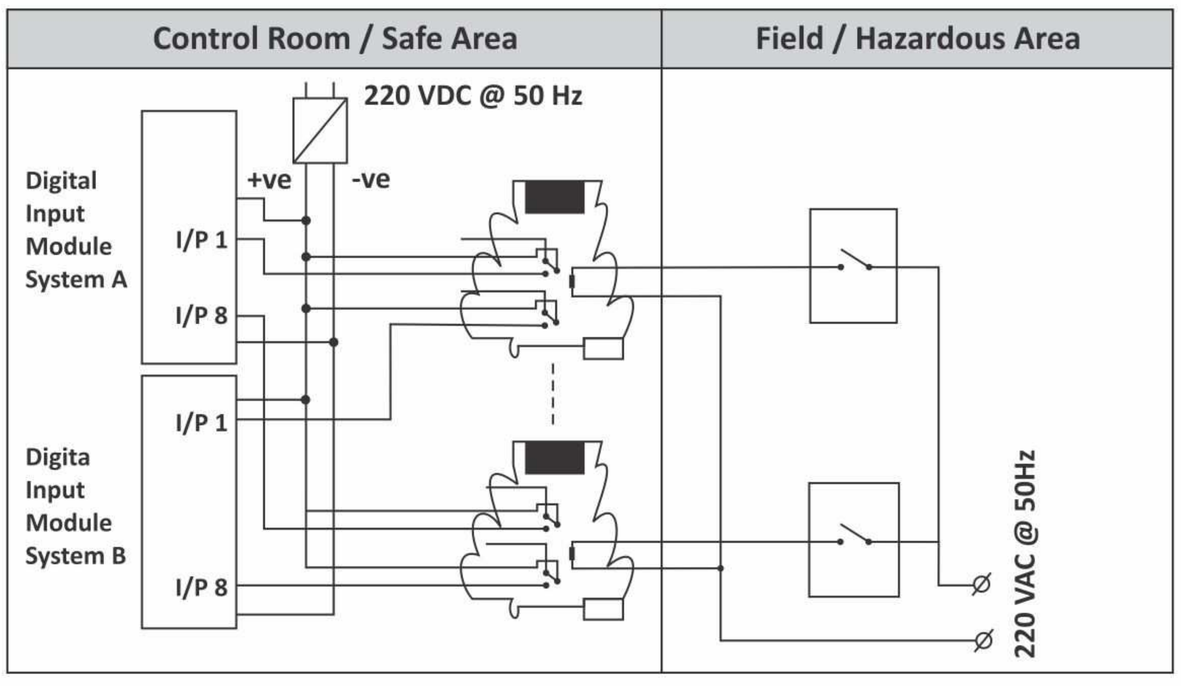


2 Changeover Electromechanical 14.5 mm Relay Terminal Unit

	Versions	
	SR 24 V ADC 2 CO	**SR 240 V ADC 2 CO**
Base Unit		
Pitch (in mm)	14.5	
Dimensions (Height X Width)(in mm)	91.50 X 88.20	
Connection Poles	2 Coil Side 3 Contact Side	
Connection Possibility	2.5 Sq. mm.	
Screw Size	M 2.6	
Torque	0.4 Nm	
Relay Actuation Data		
Nominal Voltage(Vn) to actuate	24 V DC/AC	220 V DC/AC
Must Pick-up Voltage	19 V DC/AC	200 V DC/AC
Must Drop Voltage	4 V DC/AC	50 V DC/AC
Nominal Current(In) to actuate	25 mA	10 mA
Contact Data		
Contact Rating	2X6 A, 250 VAC/ 30 VDC	
Compatible Contact Arrangement	2 FORM A, 2 FORM C	
Contact Material	AgCdO	
Contact Resistance	100 mΩ @ 6 VDC, 1 A	
Maximum Switching Power	1500 VA (per contact)	
Relay Endurance Data		
Mechanical	1×10^7	
Electrical (Ohmic)	1×10^5	
Insulation		
Resistance(Initial)	Minimum 1000 MΩ at 500 VDC	
Dielectric Strength	1000 VAC (50 Hz.) for 1 Minute	
Others		
Operating Temperature	-20°C to 55°C	

Applications





Solid State 6.2 mm Relay Terminal Unit

	Versions	
	SR 24 V DD 24 SSR	**SR 24 V DA 24 SSR**
Base Unit		
Pitch (in mm)	6.2	
Dimensions (Height X Width)(in mm)	91.50 X 88.20	
Connection Poles	2 Coil Side 3 Contact Side	
Connection Possibility	2.5 Sq. mm.	
Screw Size	M 2.6	
Torque	0.4 Nm	
Relay Actuation Data		
Input Control Voltage	3 - 32 VDC	3 - 32 VDC
Input Control Supply Current	12 mA	12 mA
Relay Output Specification		
Contact Configration	1 NO	1 NO
Rated Voltage	5 - 100 VDC	24 - 280 VDC
Rated Current	2 A @ 55°C	2 A @ 55°C
Other Technical Data		
ON Time	2.5 m Secs	Zero Crossing Detector Based
OFF Time	2.5 µ Secs	Zero Crossing Detector Based
Operating Temperature	-20°C to 55°C	

Applications