



O/E/N 170



90A LATCHING RELAY

- Single And Dual Coil Versions
- Rated For 90A
- Creepage Distance 8mm
- Dimensions 38.00x16.50x30.00
- UC2 Compliant As Per IEC 62055-31/ IS 15884:2010
- Custom Terminations Available With Braided Wire, Copper Terminals & With Integrated Shunt

SPECIFICATION

Contact Arrangement	: 1 Form A/B
Contact Material	: Silver Alloy
Contact Rating	: 90A@230VAC
Max Switching Voltage	: 277VAC
Max. Switching Current	: 90A
Max. AC Switching Power	: 24930VA
Coil Power	: 1.5W (Single Coil) 3.0W (Dual Coil)
Pulse Width	: 100ms Min.
Electrical Endurance	: 10000 Operations
Mechanical Life	: 1X 10 ⁶ Operations
Contact Resistance(Initial)	: 0.45 milli Ohms
Dielectric Strength	:
Between Contact & Coil	: 4000 VAC For 1Min.
Between Open Contacts	: 2000 VAC For 1Min.
Insulation Resistance	: 1000 Mega Ohms at 500 VDC
Set Time	: 20ms Max.
Reset Time	: 20ms Max.
Vibration Resistance	: 10-55Hz, 1.5mm DA
Shock Resistance	: Functional -98m/s ² Destructive-980m/s ²
Humidity	: 5% To 85 % RH
Ambient Temperature	: -40°C to +70°C
Weight	: 50g Max.

Typical Applications

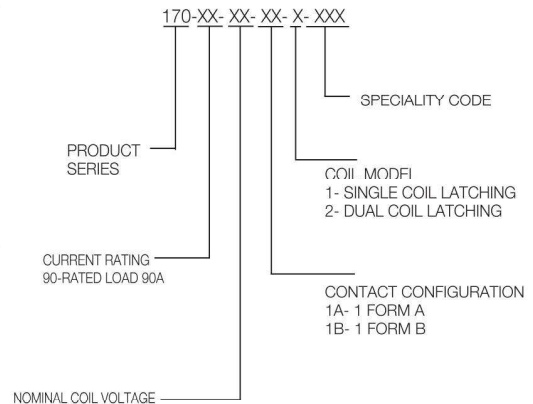
Smart Meter, Energy Meter, Street Lamp Control, Battery Swapping Stations, EV Chargers etc

All dimensions are in mm, Specification Subject to Change Without Notice. Tolerance Unless Otherwise Specified is ± 10 %

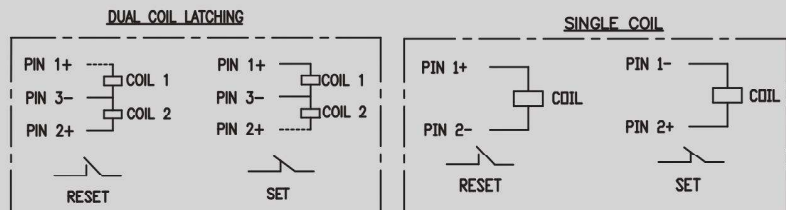
COIL DATA

Normal Voltage (VDC)	10% Coil Resistance in Ohms± Single Coil	10% Coil Resistance in Ohms± Dual Coil	Max. Set/Reset Voltage in VDC
5	16	8+8	3.75
6	24	12+12	4.50
9	54	27+27	6.75
12	96	48+48	9.00
24	384	192+192	18.00
48	1536	768+768	36.00

HOW TO ORDER



WIRING DIAGRAM



DIMENSIONS

