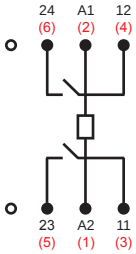
450 SERIES HEAVY DUTY POWER RELAY

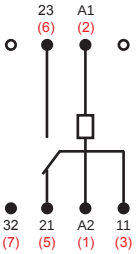
WIRING DIAGRAMS

2 FORM A



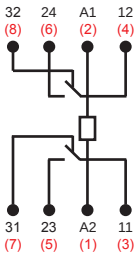
DPDT - NO
IEC
(NEMA)

1 FORM C



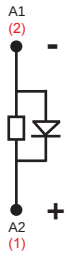
SPDT
IEC
(NEMA)

2 FORM C



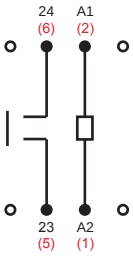
DPDT
IEC
(NEMA)

COIL SUPPRESSION DIODE



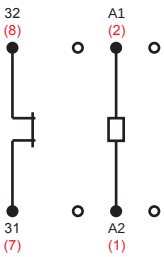
POLARITY SENSITIVE

1 FORM X



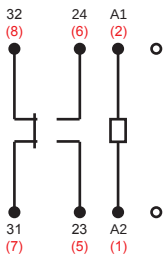
SPST - NO - DM
IEC
(NEMA)

1 FORM Y



SPST - NC - DB
IEC
(NEMA)

1 FORM Z



SPDT - DM - DB
IEC
(NEMA)

PART NUMBERING INFORMATION

450 XBX 40 C 69 Q L V 90 120VAC

Series Part Number

Contact Combination:
- XAX (SPDT) (1 Form C)
- XBX (DPDT) (2 Form C)
- BXX (DPST) (2 Form A)
- HXX (SPST- NO-DM) (1 Form X)
- XXH (SPST- NC-DB) (1 Form Y)
- XHX (SPDT - DM-DB) (1 Form Z)

Contact Type :
- 40 Amp Silver Alloy – 40
- 50 Amp Silver Alloy – 50
- (Tungsten Contacts Also Available)

Enclosure:
- No Cover Standard – No Code
- Polycarbonate Protective Cover – C

***NOTE: Covers cannot be used on relays with QC Terminals, Auxiliary Switches or 50A Relays with AC Coils.**

Din-rail
- Standard Din Rail Mount Base – No Code

Other Options:
- Blowout Magnet – 69 (not available with a **XXH** contact combination)
- ¼" Quick Connect Terminals – Q
- LED indicator – L
- Coil Suppression Diode – V (VDC version only)
- Auxiliary Switch – 90 *
- Dual Auxiliary Switch - 91 *

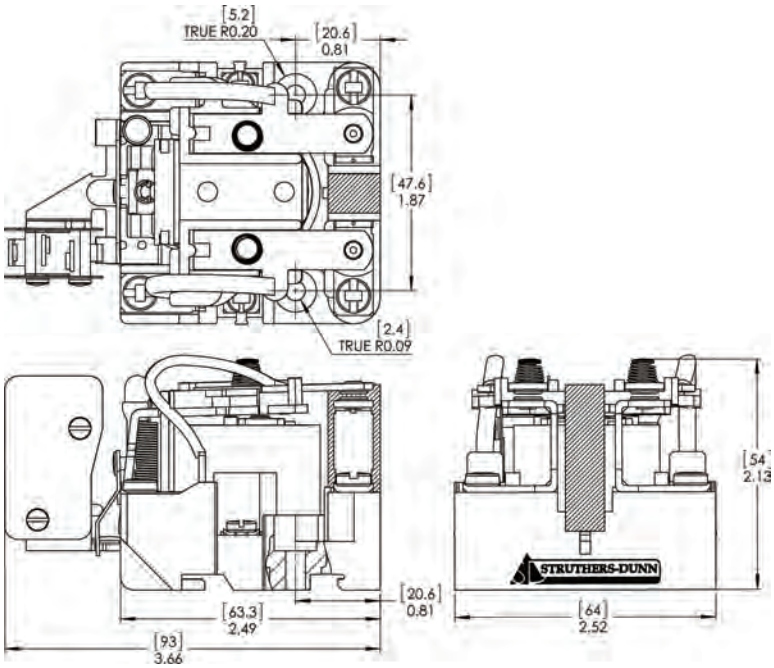
***NOTE: Covers cannot be used on relays with QC Terminals Auxiliary Switches or 50A relays with AC Coils.**

Coil Voltage – Class F, 155°C
- **VAC –** 6, 12, 24, 120, 208, 220, 240, 277, 480
- **VDC -** 6, 12, 24, 48, 110/125, 250
- (Other Coil Voltages Available Upon Request)

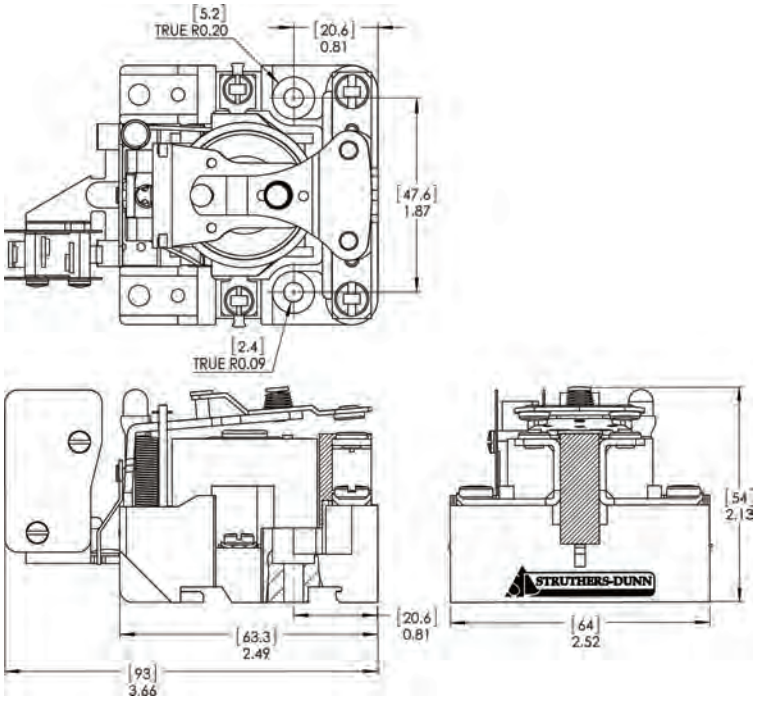
407 E. Smith Street - Suite B • Timmonsville, SC 29161 • Phone: (843) 346-4427 • Fax: (843) 346-4465 • Email: info@struthers-dunn.com

OUTLINE DIMENSIONS

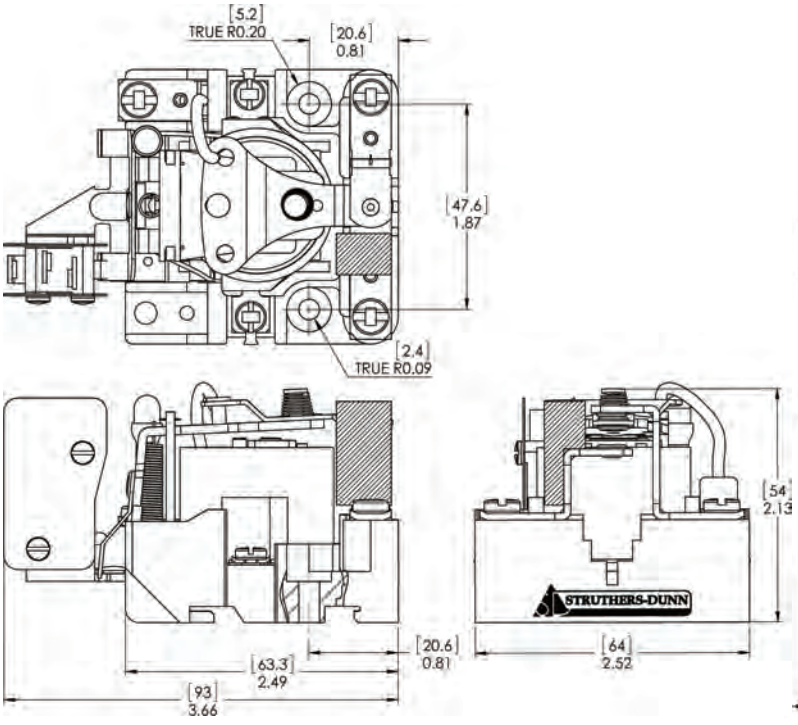
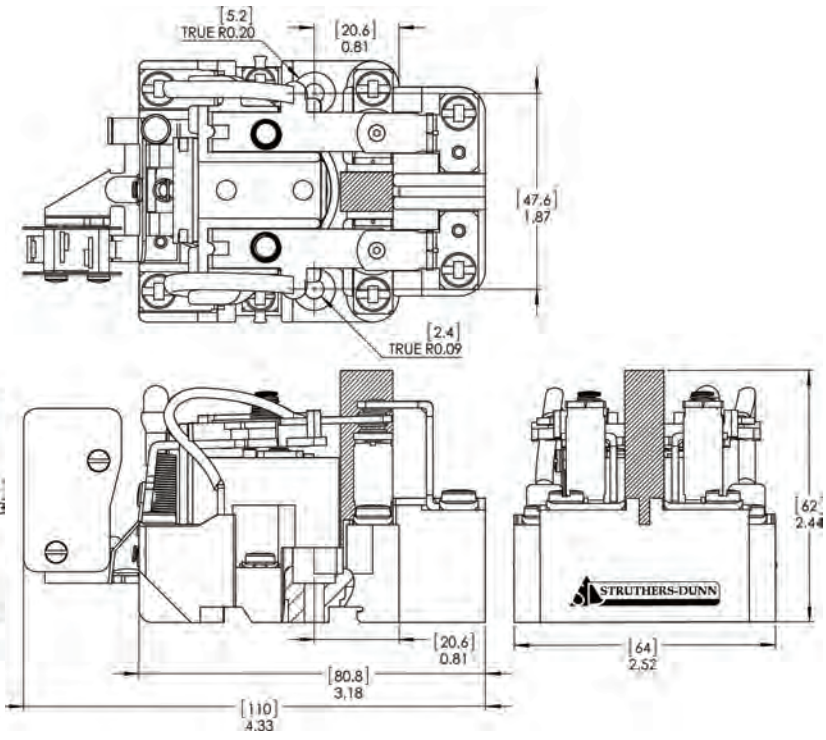
450BXX
(DPST - 2 FORM A)



450HXX
(SPST-NO-DM - 1 FORM X)



450XAX
(SPDT - 1 FORM C)



450XBX
(DPDT - 2 FORM C)