

**Installation Instructions
for I²R Series Models:**

- SA480D-40
- SA120-40
- STORM 120 5kA
- STORM 120 10kA
- STORM 240 5kA
- STORM 240 10kA
- I²R ICP Series

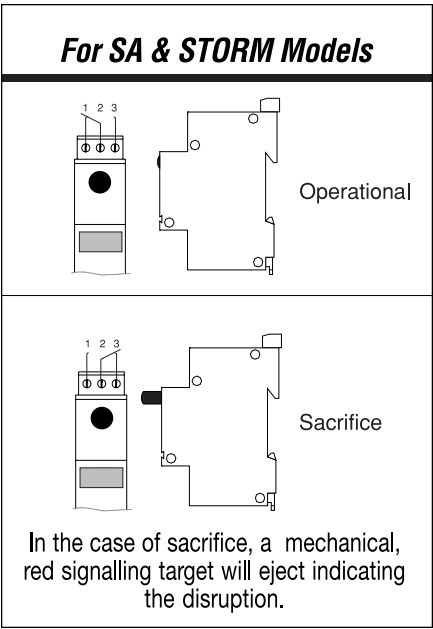
1200-142 Rev F

If you encounter any difficulty in the installation of these products please contact your Transtector customer service representative toll-free at:

1.800.882.9110

or outside the US:

208.635.6400



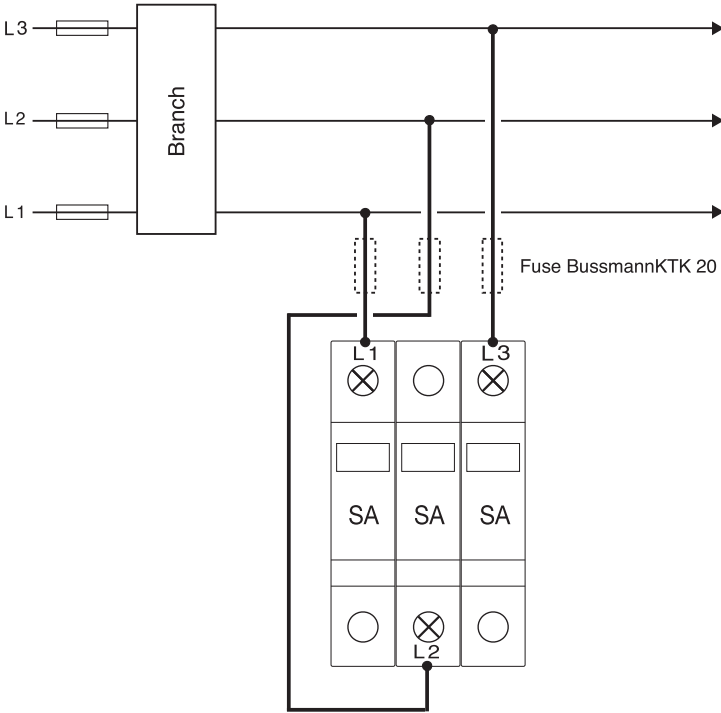
WARNING

IMPORTANT SAFETY INSTRUCTIONS!

1. This product should only be installed by trained, qualified personnel.
2. To avoid shock, always disconnect power before servicing or installing the product.
3. Use each model on specified voltage application only.
4. Unit must be installed within an enclosure.
5. SAVE THESE INSTRUCTIONS!

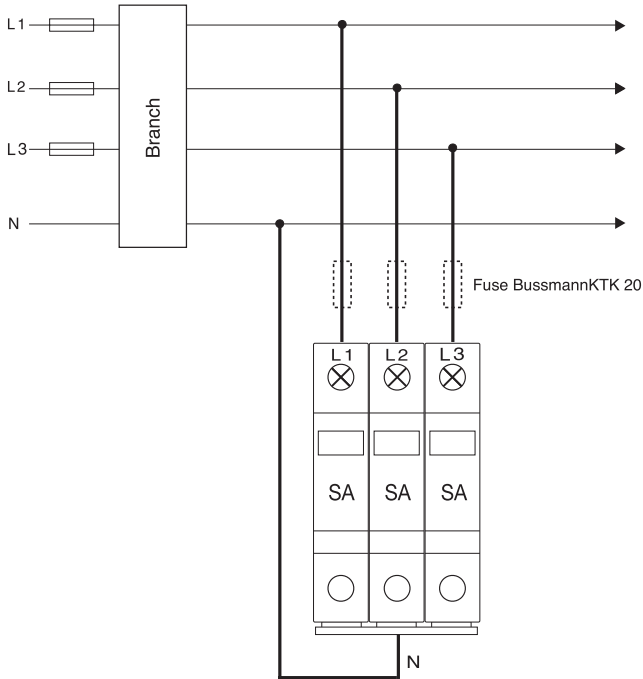
SA480D-40

480 Delta Three Phase Service



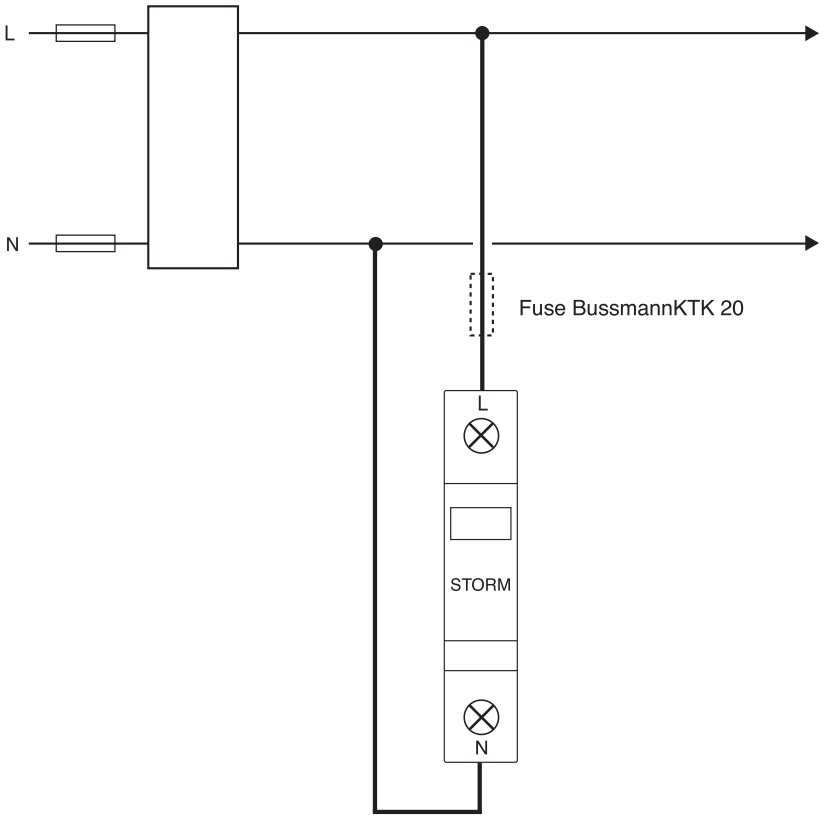
SA120-40

120/208 Wye Three Phase Service



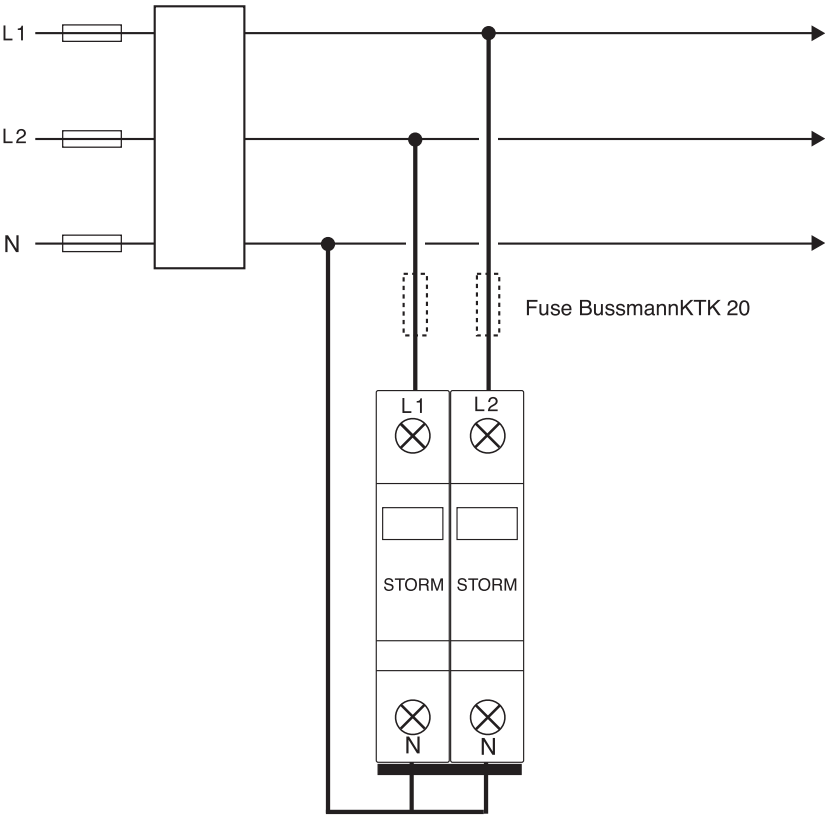
STORM 120S 5kA and 10kA

120 Single Phase Service



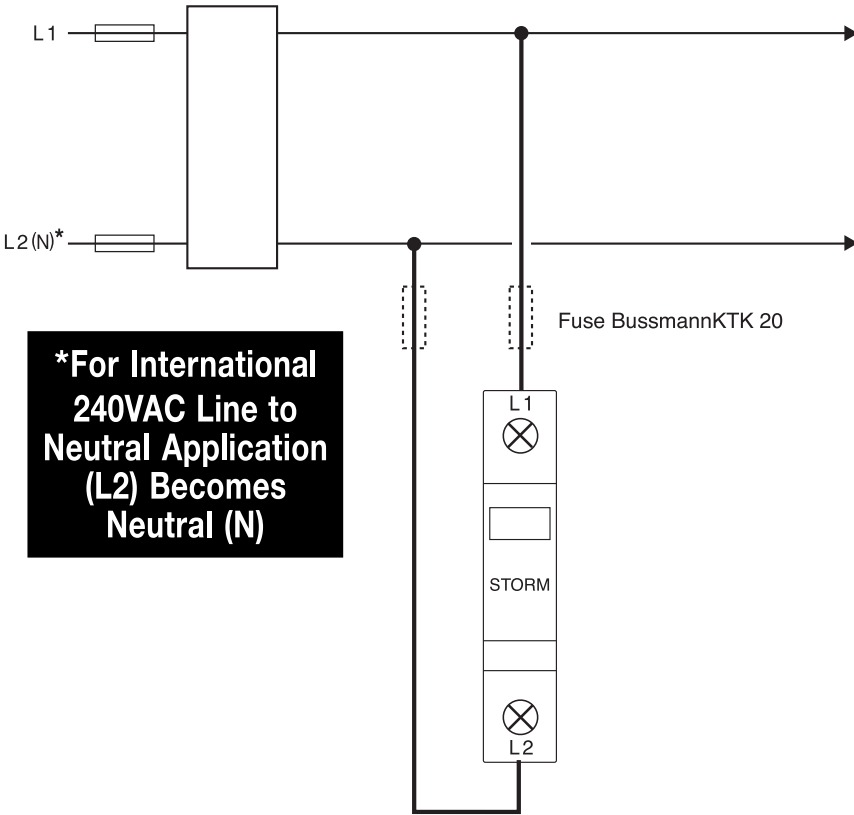
STORM 120T 5kA and 10kA

120/240 Single Phase Service



STORM 240S 5kA and 10kA

240 Single Phase Service



***For International
240VAC Line to
Neutral Application
(L2) Becomes
Neutral (N)**

I²R ICP Series

1. **Warning! Disconnect power upstream from the device when wiring to avoid potential shock hazard. Unit must be installed within an enclosure. It is recommended that a 15 or 20A current limiting fuse (i.e. Bussman KTK 15 or 20A) be installed in series with each I²R ICP.**

2. Mounting the I²R ICP Series

- 2.1 35 mm Din Rail Mount (see Figure 1)
- 2.2 Screw Mount (see Figure 1)

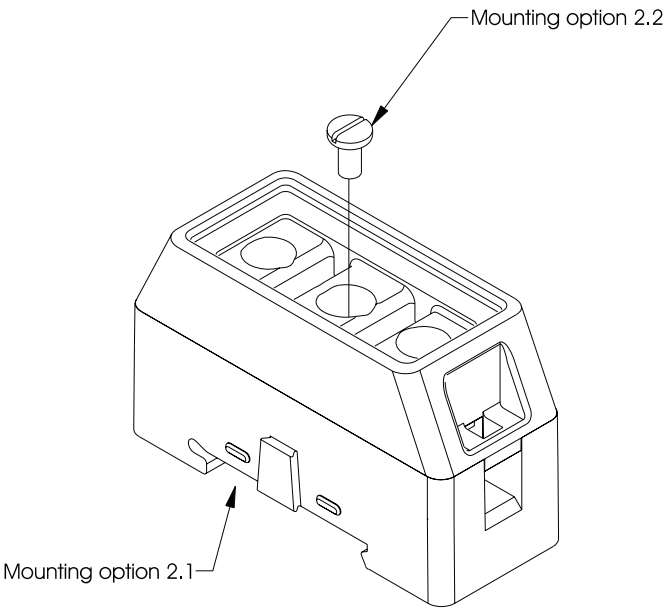
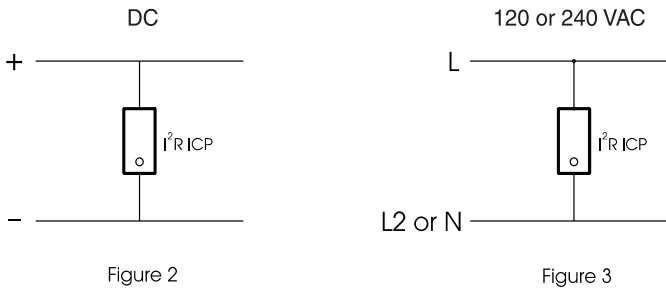


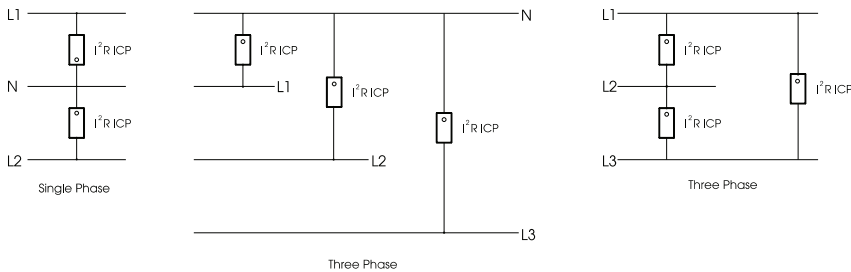
Figure 1
Base Unit

3. **Wiring the I²R ICP Series: Unplug suppressor module from base. Install 4-14 AWG into base per Figure 2 or 3 keeping leads as short as possible.**

SINGLE PHASE WIRING DIAGRAMS



MULTIPLE UNIT WIRING DIAGRAMS



4. **Insert suppressor module into base unit.**

5. **Turn power on. LED illumination indicates power is supplied and suppression is enabled.**
6. **The SPD provides a low impedance shunt path away from the equipment when a transient overvoltage occurs. In order to maximize the performance of the SPD, it is recommended to use insulated stranded copper greater than 10 mm² (#6 AWG) diameter, using lengths as short as possible and routed without any sharp bends. NOTE: Ensure that the ground wire, if used, is properly bonded to the local grounding system, or the SPD will not function properly. All conductors should be insulated stranded copper greater than 6 mm² (#10 AWG) minimum diameter. Further, the load capacity of the conductor must be sized according to the load. Reference IEC 60364-5-532.**