

Chapter 2. Installation

Introduction

This chapter provides the general information for site selection, installation, and wiring of the SPM-A Synchronizer.

Unpacking

Before unpacking the synchronizer, refer to the inside front cover and to pages ii and iii of this manual for hazard alerts. Be careful when unpacking the synchronizer. Check for signs of damage such as bent or dented panels, scratches, loose or broken parts. If any damage is found, immediately notify the shipper.

Location

When selecting a location for mounting the SPM-A Synchronizer, consider the following:

- Protect the unit from direct exposure to water or to a condensation-prone environment.
- The operating range of the synchronizer is -45 to $+70$ °C (-49 to $+158$ °F). For best operation, maintain the ambient air temperature between $+10$ and $+30$ °C ($+50$ and $+86$ °F).
- Provide adequate ventilation for cooling. Shield the synchronizer from radiant heat sources.
- Do not install the synchronizer near high-voltage high-current devices.
- Allow adequate space in front of the unit for servicing.
- Do not install the synchronizer where objects can be dropped on it or its terminals.
- Ground the synchronizer for proper shielding.

Installation

Select a mounting location for the SPM-A Synchronizer (see considerations above).

Locate and drill four holes for mounting hardware (not furnished; see Figure 1-1 for locations). Tap the holes for machine screws or bolts.

Install the synchronizer and secure with the mounting hardware.