



S10 AC Drive



INSTRUCTION MANUAL

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Saftronics Vfd Manual

Tobias Bleicker



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areas of discussion relevant to the main objective learning how to troubleshoot and quickly resolve drive problems Contains easy to understand diagrams and testing procedures **Variable Frequency Drives** Gary D. Anderson, 2013-09-02 VFD s Installation how to correctly configure necessary parameters and what those parameters do and finally to effectively troubleshoot and use fault code diagnostics The following are among the many topics and concepts discussed Motor control and how VFD s can be effectively utilized Motion concepts and relationship between torque speed and horsepower AC wave form characteristics Pulse Width Modulation PWM The difference between carrier frequency and fundamental frequency The different control modes used with a VFD Common wiring methods and connections Configuring parameters for the drive Understanding the different braking methods Testing and troubleshooting the VFD As an aid for troubleshooting purposes diagrams are used which illustrate the component sections of a typical VFD the converter DC bus and the inverter sections of the drive

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