



# Electronics for Electricians

By Herman, Stephen L.

Cengage Learning, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. Unit1. The Oscilloscope. Unit2. Semiconductors. Unit3. Power Rating and Heat Sinking Components. Unit4. Junction Diodes. Unit5. Light-Emitting-Diodes (LEDs) and Photodiodes. Unit6. Single-Phase Rectifiers. Unit7. The Polyphase Rectifier. Unit8. Filters. Unit9. Special Diodes. Unit10. The Transistor. Unit11. The Transistor Switch. Unit12. The Transistor Amplifier. Unit13. The Darlington Amplifier. Unit14. Field Effect Transistors. Unit15. Current Generators. Unit16. The Unijunction Transistor. Unit17. The SCR in a DC Circuit. Unit18. The SCR in an AC Current. Unit19. Phase Shifting an SCR. Unit20. UJT Phase Shifting for an SCR. Unit21. SCR Control of a Full-Wave Rectifier. Unit22. A Solid-State Alarm with Battery Backup. Unit23. The Diac and Silicon Bilateral Switch. Unit24. The Triac. Unit25. Phase Shifting the Triac. Unit26. Other Methods of AC Voltage Control. Unit27. The Solid-State Relay. Unit28. The Oscillator. Unit29. The DC to DC Voltage Double. Unit30. The Off-Delay Timer. Unit31. The On-Delay Timer. Unit32. The Pulse Timer. Unit33. The 555 Timer. Unit34. The 555 Timer Used as an Oscillator. Unit35. The 555 On-Delay Timer. Unit36. The 555 Pulse Timer. Unit37. Above and Below-Ground Power Supplies. Unit38. The Operational Amplifier. Unit39. The 741 Op...



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