

NextGen Transceiver Specification Sheet

Note: This assembly will only work properly in combination with the mating Transponder (PA2117G01)

Prints

Schematic	PB0986P01
PCB	PB0987P01
ASSY	PA2116G01 (240 volt), G02 (120 Volt)

PC Board & Assembly

Material	FR4 Glass Epoxy Board
Layers	2
Board Thickness	.062"
Manufacture of the board	WayTec, Lynchburg, VA, UL E75730
Assembled by	MackTech, Westford,MA, (978) 392-5500
Conformal Coat	Humiseal #1B73AP or Equivalent (UL File # E105698)
Communication Coil	PA2132P01

Operational Information

Input Voltage Range	70 to 240 volts AC (Assembly Dependent)
Max Operating Current Consumption	5 Amps (Including onboard Relay Contacts)
Operating Frequency	50-60 Hz
Max Current on Motor, L1, and Shunt Circuit	20 Amps
SSR1 AC Solid State Relay	
Max Output Voltage & Current	240 Volt & 100ma (UL File# E69938)
K1 Relay Max Output Voltage & Current	240 Volt & 4 Amps (UL File# E22575)

Wire Spec	Stranded copper, thermoplastic insulation, .031 nom wall, 105c, 600 volts, ul1015
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On Board Power Supply

Input Voltage	120 or 240 VAC 50/60 Hz (Assembly Dependent)
Output Voltage	25 VDC
Output Max Current	150 ma
Normal Operating Current	60 ma
Protection	Resistive and PTC Fused

RFID Information

RFID Chip	EM4095 EM Microelectronics
Frequency	125KHz Nominal (100K-150KHz)
Voltage to Output Coil	50 VAC RMS
Current to Output Coil	120 ma RMS
Protection	Current Limiting Resistor and RFID Chip is self protected from the coil shorting out

Last Updated 1/16/2007 SM