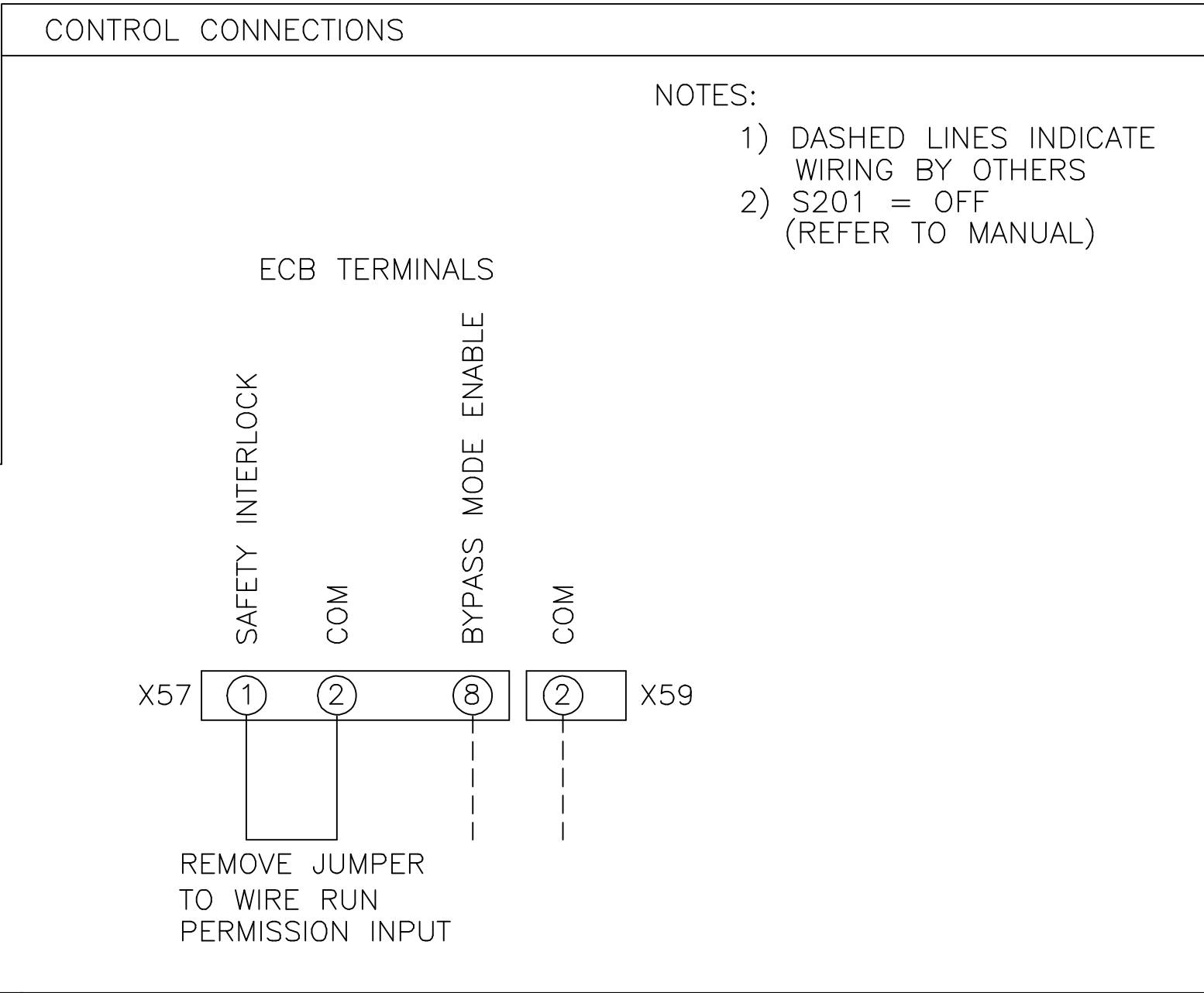
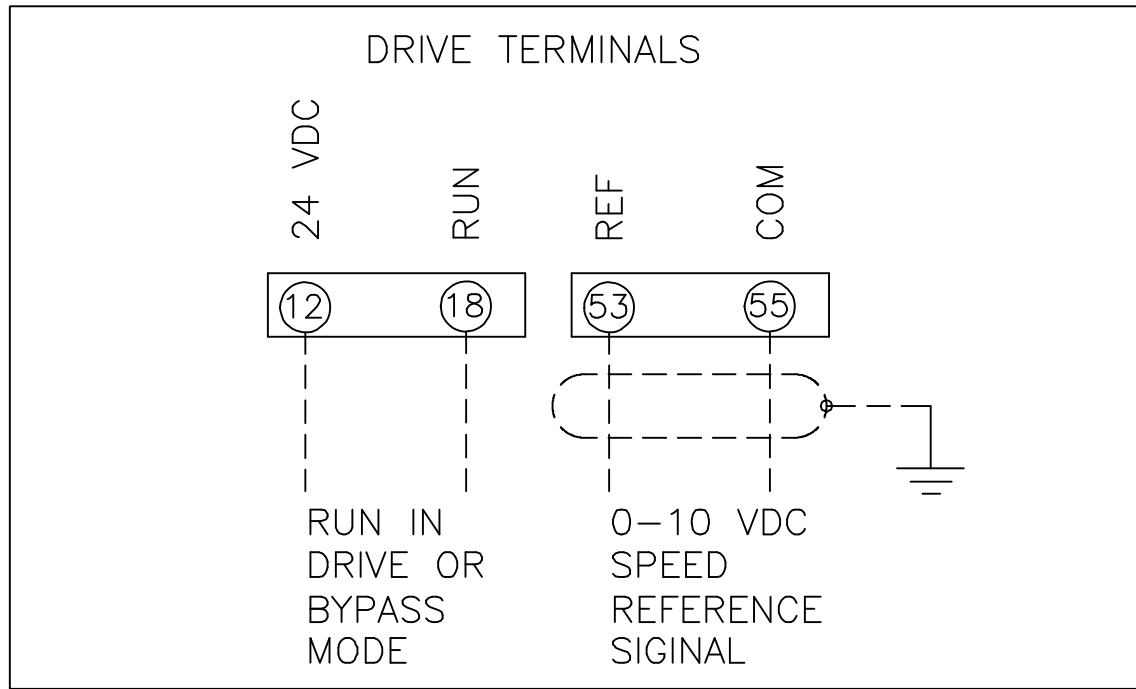
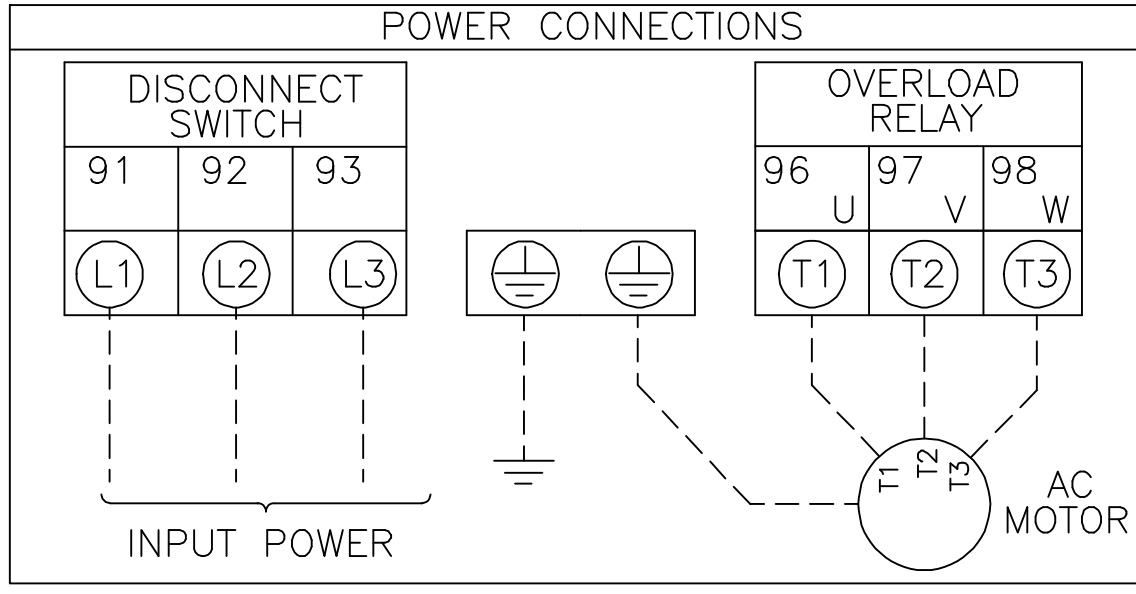
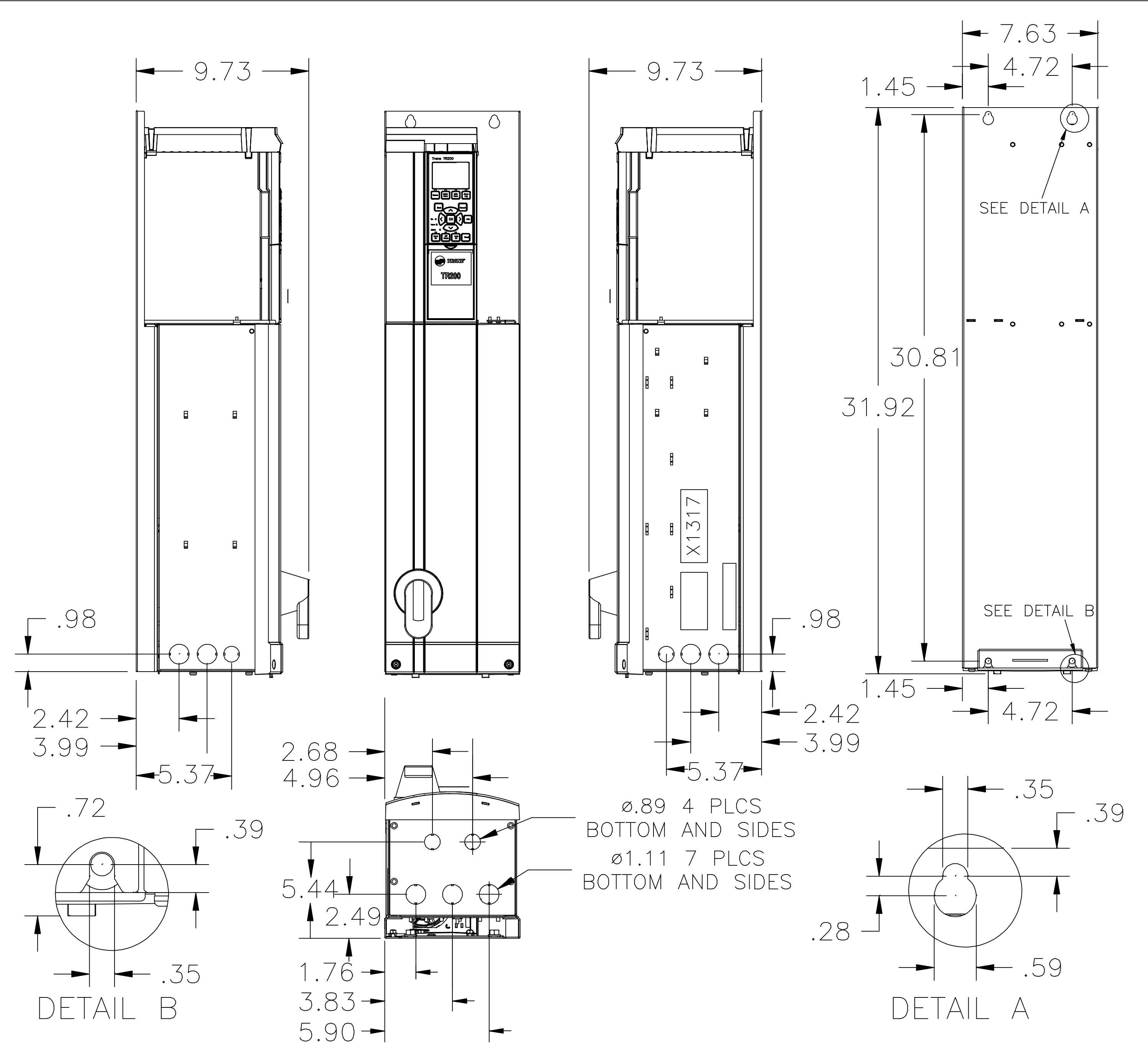




UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCE:

X = .
XX = .03
XXX = .
ANGLES = ° ~ HOLE DIA = +.012
CONFORMS TO ASME Y14.5M - 1994

FINISH ✓

TRANE

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DRAWN BY: AJK

DO NOT SCALE PRINT

X13170855

SHEET 1 OF 1

REV **B**

CONTROL
VARIABLE SPEED
CSC SLIM WITH BYPASS

© TRANE DATE: 4-7-09

THIRD ANGLE PROJECTION

DRAWING EXTENSION		010	020	030	040	
FRAME SIZE		A3				
INPUT POWER	NOM. RATED HP/KW	7.5/5.5	10/7.5	7.5/5.5	10/7.5	
	INPUT LINE AMPS@ 5000 AIC	11.3	14.3	9.3	11.3	
	INPUT LINE VOLTAGE	460±10%		575±10%		
	MAIN FUSE	LPJ-20	LPJ-25	LPJ-15	LPJ-20	
	DRIVE FUSE	LP-CC-25	LP-CC-30	LP-CC-25	LP-CC-30	
	INPUT FREQUENCY	50/60Hz ±1%				
OUTPUT POWER	RATED OUTPUT CURRENT	11	14	8.5	11	
	MAXIMUM POWER WIRE SIZE	10 AWG				
	MAXIMUM SWITCHING FREQUENCY	10 KHz	10 KHz	7 KHz	7 KHz	
	WAVE/FORM PHASES	PWM/ 3				
	OUTPUT VOLTAGE	0-100% OF SUPPLY VOLTAGE				
	FREQUENCY RANGE	0 TO 60 Hz				
	EFFICIENCY	.95 TO .97 DEPENDING ON HORSEPOWER				
	COMPONENT RATINGS	DISCONNECT SWITCH	30 AMPS			
		DRIVE CONTACTOR (AMPS)	20	20	16	16
BYPASS CONTACTOR (HP)		7.5	10	7.5	10	
OVERLOAD RELAY (AMPS)		8-12	10-16	5.5-8.5	10-16	
CONTROL	CONTROL POWER	24VDC, 200mA				
	SPEED REFERENCE	0 TO 10VDC, IMPEDANCE = 10K OHMS		4 TO 20 mA IMPEDANCE = 188 OHMS		
	COMMUNICATION	RS485, SERIAL, USB, MODBUS, RTU.				
	PROGRAMMING	DEFAULT VALUES, SEE INSTALLATION AND OPERATION MANUAL 130R0447				
PROTECTION	DRIVE CONTROLLER	SHORT CIRCUIT PROTECTION: BETWEEN OUTPUT PHASES BETWEEN OUTPUT PHASES AND GROUND. ON THE OUTPUTS ON INTERNAL SUPPLIES THERMAL PROTECTION AGAINST EXCESSIVE OVERHEATING AND OVERCURRENTS MAINS UNDERVOLTAGE AND OVERVOLTAGE. INPUT PHASE LOSS				
	MOTOR	UL LISTED TO PROVIDE MOTOR OVERLOAD PROTECTION IN ALL MODES OF OPERATION				
ENVIRONMENT	OPERATING TEMPERATURE RANGE	0°C TO +45°C				
	ELECTRICAL CONNECTIONS	SEE INSTALLATION AND OPERATION MANUAL				
		SERIAL LINK: INDUSTRY STANDARD DB 9 PIN CONNECTOR				
		GROUND CONNECTION PROVISION IN COMPLIANCE WITH CODES				
	STORAGE TEMP	-25°C TO +65°C				
	HUMIDITY	95% MAXIMUM RELATIVE HUMIDITY, NON-CONDENSING (IEC 721-3-3; CLASS 3K3)				
	ALTITUDE	3300 FT (1000 m) MAXIMUM WITHOUT DERATING				
	ENCLOSURE TYPE	IP21				
	ENCLOSURE	MUST MEET UL 508A				
STANDARDS	AGENCY	 AND 				
MISCELLANEOUS	MARKING	STANDARD BAR CODE FOR EACH MODEL				
	KEYPAD AND DISPLAY	SUPPLIED				
	RESISTANCE TO VIBRATION	ACCORDING TO IEC 68-2-6				
	OPERATIONAL POSITION	VERTICAL, WITH POWER TERMINALS AT THE BOTTOM				
	MINIMUM CLEARANCE	100mm (3.937IN) PANEL TOP AND BOTTOM				
	WEIGHT	35 LBS				
	SERVICE MANUAL	INCLUDED				