

SPECIFICATIONS:

INPUTS
 Voltage Input: 100-277VAC
 Current Input Scaling: 5A to 32,000A
 Input Range: 0 to 0.333V or 0 to 1V (selectable)

INPUT VOLTAGE CHARACTERISTICS
 Measured AC Voltage: 100-277VAC
 Metering Over-Range: +20%
 Impedance: 2.5 MΩ-L-N / 5 MΩ-L-L
 Frequency Range: 50 to 60Hz

INPUT CURRENT CHARACTERISTICS
 CT Scaling/ Primary: Adj. from 5A to 32,000A
 Measurement Input Range: 0 to 0.333VAC or 0 to 1.0VAC (+20% over-range)
 Impedance: 10.6 kΩ (1/3V mode) or 32.1 kΩ (1V mode)

ACCURACY
 Real Power and Energy: 0.5% (ANSI C12.20, IEC 62053-22 Class 0.5S)
 Reactive Power and Energy: IEC 62053-23 Class 2, 2% Current
 Current: 0.4% (+0.015% per °C deviation from 25°C) from 5% to 100% of range; 0.8% (+0.015% per °C deviation from 25°C) from 1% to 5% of range
 Voltage: 0.4% (+0.015% per °C deviation from 25°C) from 90VL-N to 600VACL-L
 Sample Rate: 2520 samples per second
 Data Update Rate: 1 sec
 Type of Measurement: True RMS up to the 21st harmonic 60Hz, one to three phase AC system

MECHANICAL
 Mounting: NEMA 4 enclosure

RADIO NETWORK (autaniNet)
 IEEE 802.15.4-2003 2.4GHz ISM (ZigBee)

RADIO MODULE
 FCC ID: V8NZRB1000141
 IC: 7737A-ZRB1000141
 Range: Approx. 1000' LOS transmit/receive

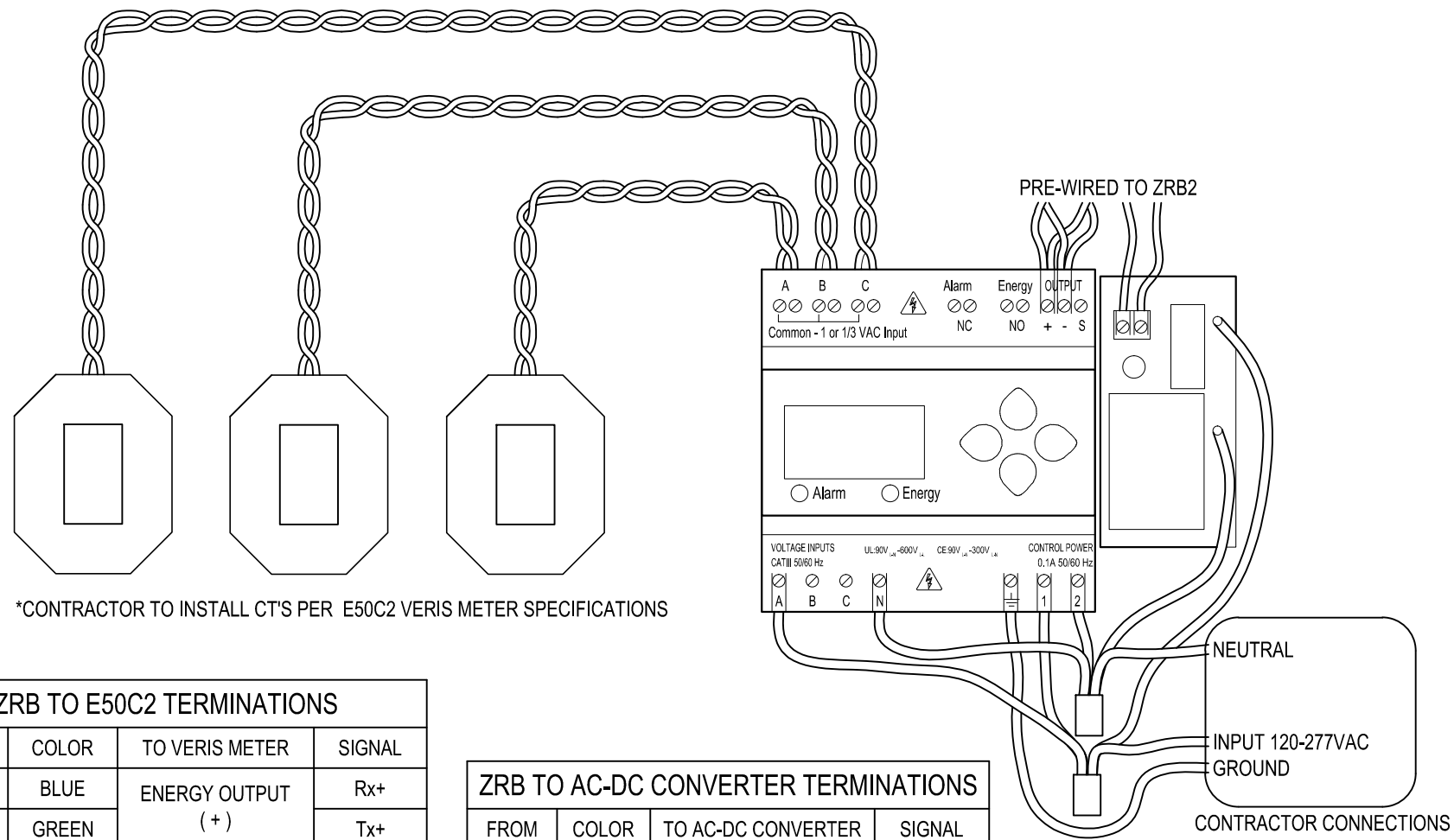
ENVIRONMENTAL
 Operating Temperature: -30° to 70°C (-22° to 158°F)
 Storage Temperature: -40° to 85°C (-40° to 185°F)
 Humidity Range: <95% Relative Humidity, noncondensing
 Altitude of Operation: 3 km max.

METERING CATEGORY
 US and Canada: CAT III; for distribution systems up to 347 VL-N/ 600VACL-L
 Dielectric Withstand: Per UL 508, EN61010
 Conducted and Radiated Emissions: FCC part 15 Class B, EN55011/EN61000 Class B (residential and light industrial)
 Conducted and Radiated Immunity: EN61000 Class A (heavy industrial)

PHYSICAL
 Dimensions (HxWxD): 7.06 x 7.19 x 4.75 in
 Color: White case with smoked transparent door
 Weight: 2.5 lbs

KEYED NOTES

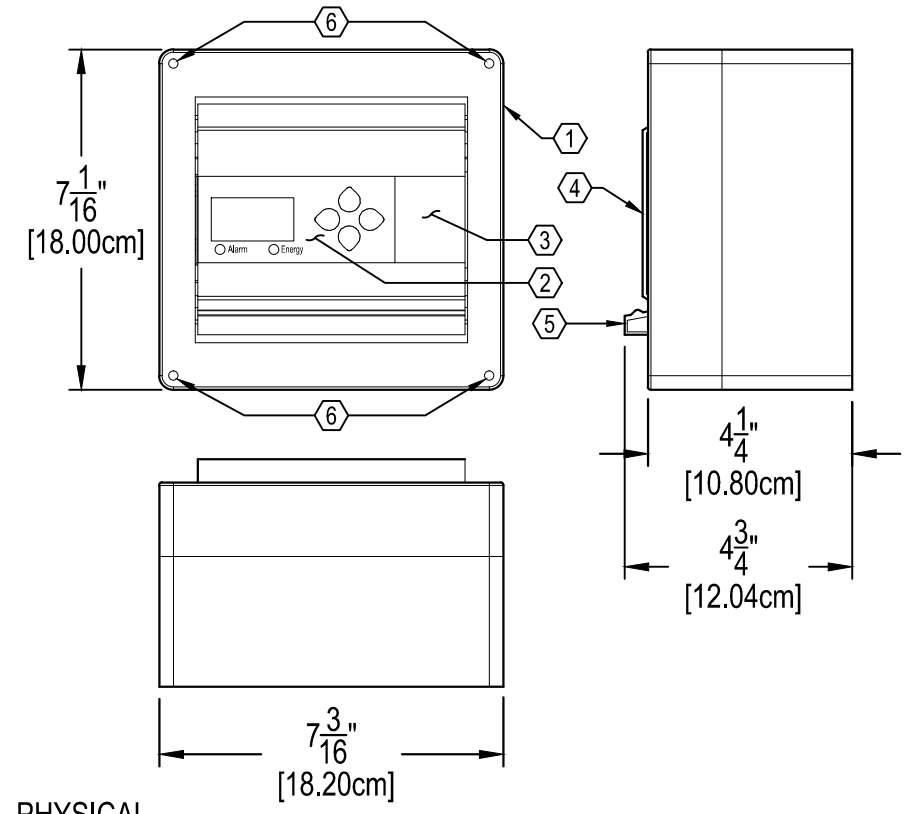
- ① AUTANI WIRELESS METER HOUSING
- ② VERIS E50C2 METER
- ③ BLANK COVER PLATE (OVER AC-DC CONVERTER)
- ④ CLEAR PLASTIC COVER
- ⑤ PRESS BUTTON AND HANDLE FOR CLEAR PLASTIC COVER
- ⑥ COVERPLATE ACCESS SCREWS



*CONTRACTOR TO INSTALL CT'S PER E50C2 VERIS METER SPECIFICATIONS

ZRB TO E50C2 TERMINATIONS			
FROM	COLOR	TO VERIS METER	SIGNAL
J1-3	BLUE	ENERGY OUTPUT (+)	Rx+
J1-6	GREEN		Tx+
J1-4	YELLOW	ENERGY OUTPUT (-)	Tx-
J1-7	BLACK		Rx-

ZRB TO AC-DC CONVERTER TERMINATIONS			
FROM	COLOR	TO AC-DC CONVERTER	SIGNAL
J1-2	RED	24VDC	24V
J1-5	WHITE	GND	COMMON



PHYSICAL SCALE: 1/4

E50C2 METER TERMINATION DETAIL
 SCALE: N.T.S.

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PROJECT NAME STANDARD DRAWINGS		7170 RIVERWOOD DRIVE SUITE B, COLUMBIA, MD 21046	
LOCATION COLUMBIA, MD		TITLE E50C2 PACKAGED METER	
SYSTEM STD	JOB NUMBER STANDARD	SIZE B	DWG. NO. STA03-10-0145-01
SCALE: AS SHOWN		REV. -	
DO NOT SCALE TO DRAWING		SHEET 1 OF 1	