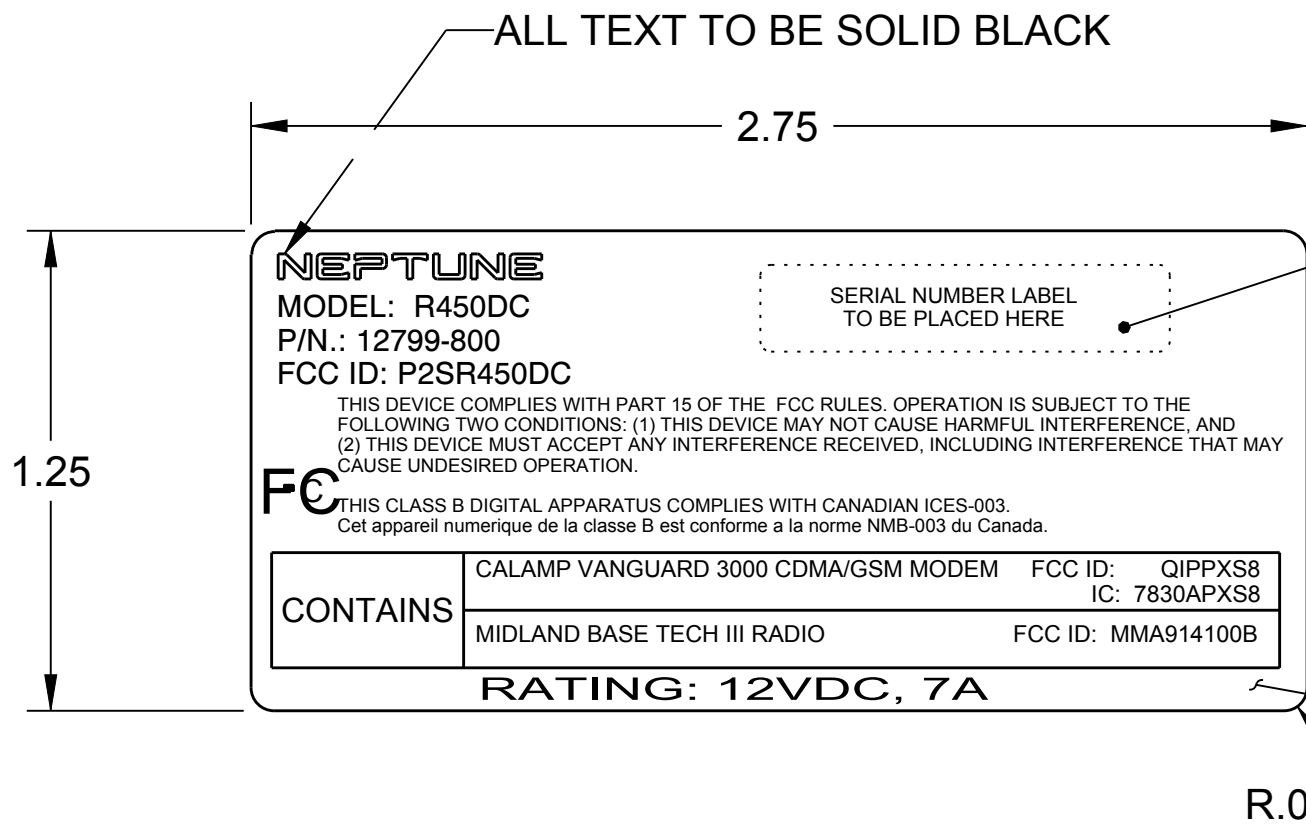


The R450DC data collector is a digital 10-Watt UHF data transceiver that operates in the licensed 450 MHz to 470 MHz band to wirelessly receive, acknowledge and collect water utility consumption readings for up to several thousand residential, commercial and industrial water meters daily (endpoints). The unit is offered in a CDMA/GMS cellular modem version (PN 12799-800) and Ethernet version (PN 12799-810) that allows two ways for collected water meter data to be transmitted to the utility's (customer's) backend server for processing and billing. Both versions interface to an external omnidirectional antenna to collect (receive) and acknowledge (transmit) meter readings. The device is also capable of reprogramming endpoints wirelessly through over-the-air-programming (OTAP). The cellular modem version features a 2nd external antenna interface for an external omnidirectional antenna that operates in the licensed cellular bands.

NO. **7985-217**

REV	ZN	DESCRIPTION	DATE	AUTH	BY	CKD	APPD
A		INITIAL RELEASE	—	S5107	TLP		
B		REMOVED NEPTUNE SYMBOL (ZONE 7E); MODEL w/ 450 DC (ZONE 7D); ADDED FCC ID : P2SR450DC (ZONE 7D); REMOVED ID BAR CODE P/N AREA (ZONE 6D); TABLE: CALAMP...FCC ID w/ N7NMC8355, IC ID w/ 2417C-MC8355; REMOVED MIDLAND IC: TBD (ZONE 5C); RATING: 7A w/ 3A (ZONE 6D); FLAG NOTE 3, R450DCXXXX w/ R450 DCXXXXX; ADDED FLAG NOTES 3 & 4; TITLE BLOCK: ADDED R450DC	11/14/17	S5107	GBJ	PC	GWH



BACKGROUND TO BE GREY PMS 422C

R.06

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ENGINEER: GWH QTY: 50

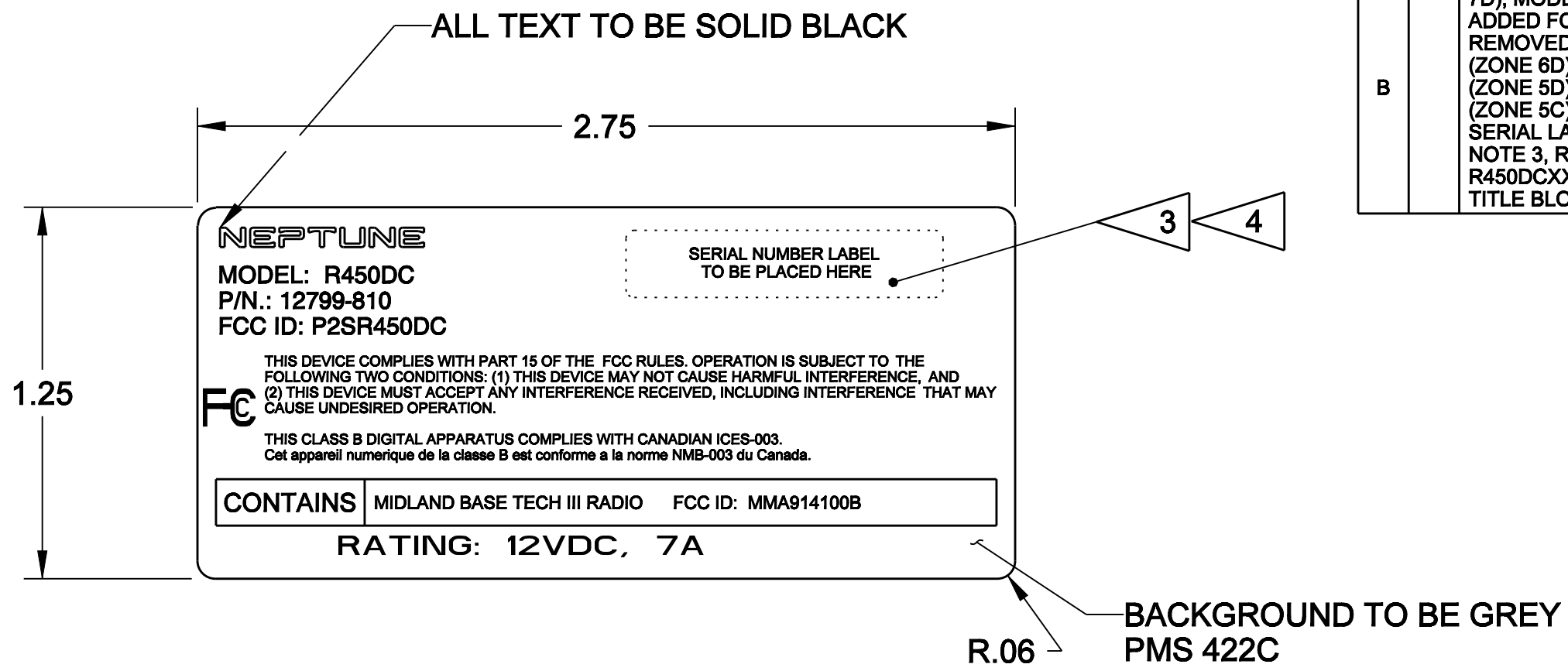
NOTES:

- .005 CLEAR MYLAR OR EQUIVALENT UL 969 RECOGNIZED FOR OUTDOOR USE.
- ARTWORK SUPPLIED BY NEPTUNE.

- 3 SERIAL NUMBER FORMAT TO BE THE FOLLOWING: R450DCXXXX
- 4 SERIAL NUMBER LABEL (ITEM 36 ON 12799-8XX) TO BE INSTALLED HERE.

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	DIMENSION SPEC. * NON-LINKED DIMENSION	SPECIFICATIONS		DWN. TLP 1/20/14 CKD. PC 11/16/17 APPD. GWH 11/30/17 APPD. SCALE 2:1	NO. 7985-217 SHT. 1 OF 1
NOTICE: © COPYRIGHT _____ NEPTUNE Technology Group, Inc.	SAVED IN CAD AS: 7985-217	FINISH SPEC.			B

NO.	7985-218		REV	ZN	DESCRIPTION	DATE	AUTH	BY	CKD	APPD
	A				INITIAL RELEASE	—	S5107	TLP	MS	MFM
	B				REMOVED NEPTUNE SYMBOL (ZONE 7D); MODEL: w/ 450DC (ZONE 7D); ADDED FCC ID:P2SR450DC (ZONE 7D); REMOVED ID BARCODE P/N (ZONE 6D) REMOVED IC: TBD (ZONE 5D); RATING: 7A w/ 3A (ZONE 5C); MODIFIED TEXT ON SERIAL LABEL PLACEMENT; FLAG NOTE 3, R450DCXXXX w/ R450DCXXXX; ADDED FLAG NOTE 4; TITLE BLOCK: ADDED R450DC	11/14/17	S5107	GBJ	PC	GWH



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REVISION: B DATE: 11/16/17
ENGINEER: GWH QTY: 50

NOTES:

- .005 CLEAR MYLAR OR EQUIVALENT UL 969 RECOGNIZED FOR OUTDOOR USE.
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		SEE NOTE 1	UNLESS OTHERWISE SPECIFIED	CKD.	MS 3/12/14	
	DIMENSION SPEC.	SPECIFICATIONS	BREAK EDGES .005/.015 DECIMALS INCH 2 PL ± .01 FRACTIONS 1/64 3 PL ± .005 FIN. SURF. 125 ANGLES ± 1°	APPD.	MFM 3/12/14	
NOTICE:	* NON-LINKED DIMENSION			APPD.		
© COPYRIGHT NEPTUNE Technology Group, Inc.	SAVED IN CAD AS:	FINISH SPEC.		SCALE	2:1	
	7985-218			NEPTUNE TECHNOLOGY GROUP		NO. 7985-218
				SHT.	1 OF 1	B