

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.

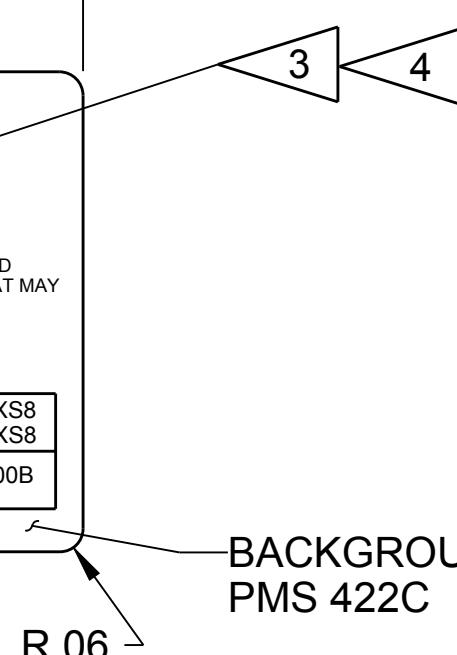
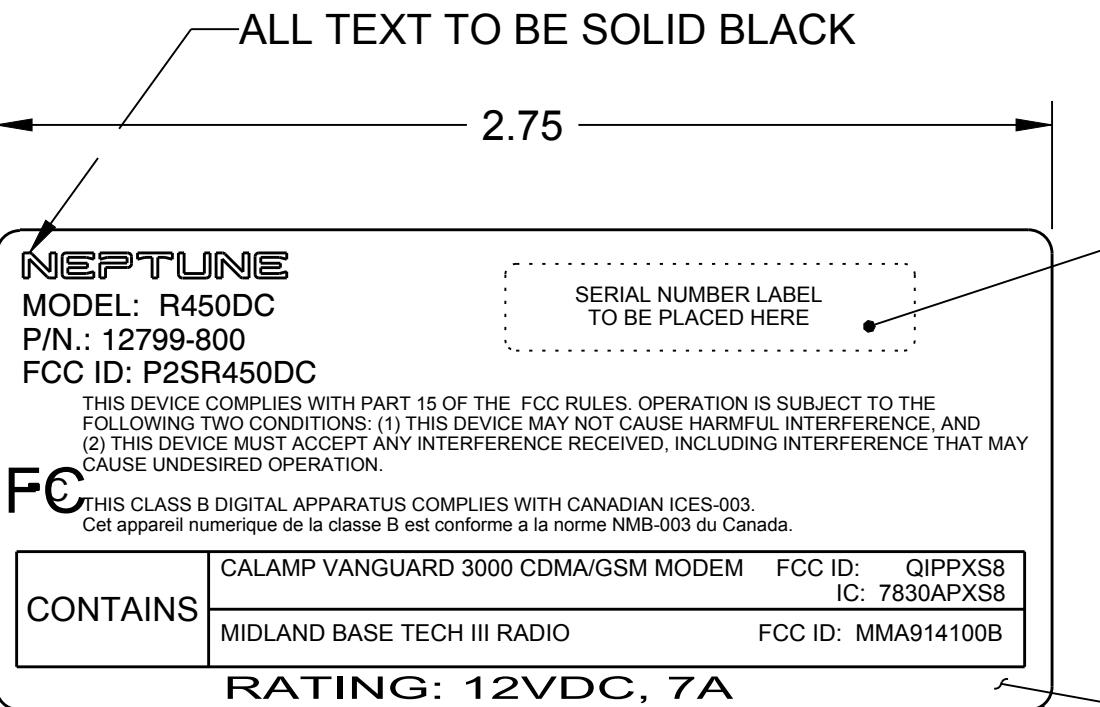
7985-217

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DESCRIPTION			DATE	AUTH	BY	CKD	APPD
INITIAL RELEASE			—	S5107	TLP		
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 DCXXXX; ADDED FLAG NOTES 3 & 4; TITLE BLOCK: ADDED R450DC			11/14/17	S5107	GBJ	PC	GWH



RELEASED FOR PILOT PRODUCTION ONLY

REVISION: B DATE: 11/16/17

ENGINEER: GWH QTY: 50

NOTES:

- .005 CLEAR MYLAR OR EQUIVALENT UL 969 RECOGNIZED FOR OUTDOOR USE.
- ARTWORK SUPPLIED BY NEPTUNE.
- SERIAL NUMBER FORMAT TO BE THE FOLLOWING: R450DCXXXX
- SERIAL NUMBER LABEL (ITEM 36 ON 12799-8XX) TO BE INSTALLED HERE.

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				CKD.	PC 11/16/17		
	DIMENSION SPEC.	SPECIFICATIONS	BREAK EDGES .005/.015 INCH 2 PL ± .01 3 PL ± .005	DECIMALS FRACTIONS ± 1/64	FIN. SURF. 125 ✓	APPD.	GWH 11/30/17
	* NON-LINKED DIMENSION					APPD.	
						SCALE	2:1
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						SHT.	1 OF 1
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NO.

7985-218

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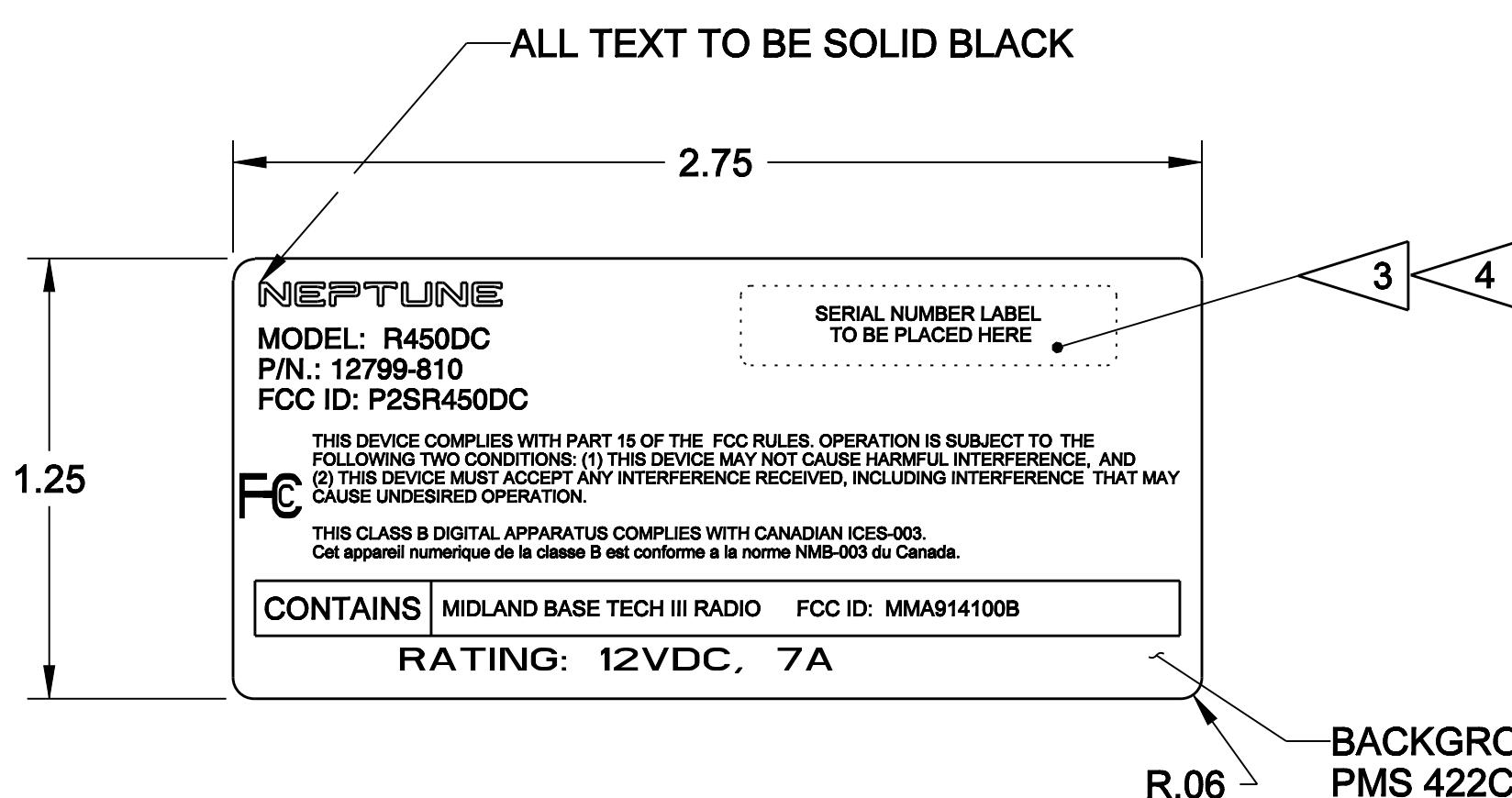
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ZN

DESCRIPTION			DATE	AUTH	BY	CKD	APPD
INITIAL RELEASE			—	S5107	TLP	MS	MFM
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

ALL TEXT TO BE SOLID BLACK

2.75



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

NOTES:

1. .005 CLEAR MYLAR OR EQUIVALENT UL 969 RECOGNIZED FOR OUTDOOR USE.

2. 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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				CKD.	MS 3/12/14		
			BREAK EDGES .005/.015	DECIMALS INCH 2 PL ± .01 3 PL ± .005	FIN. SURF. 125 ✓	APPD.	MFM 3/12/14
			FRACTIONS ± 1/64	MM 1 PL ± .1 2 PL ± .05	ANGLES ± 1°	APPD.	
						SCALE	2:1
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						SHT.	1 OF 1
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