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"CUSTOM" LABEL INSTRUCTIONS
DSG-1611DUPS & DSG-1692DUS

For the **DSG-1611** and **Channel 1** of the **DSG-1692:**

Set Register **40030** to **1 (custom label)**

Set Registers **40031-40038** to desired characters as follows.

Each label register holds two ASCII characters like so:

40031 = character 1 & 2
40032 = character 3 & 4
40033 = character 5 & 6
40034 = character 7 & 8
40035 = character 9 & 10
40036 = character 11 & 12
40037 = character 13 & 14
40038 = character 15 & 16

When building a label, first write out how you want it to look
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
P R E C A T

Next, lookup the ASCII codes that correspond to those letters
P=50H (hex) R=52H E=45H <space>=20H C=43H A=41H T=54H

Now make hex pairs to fill the registers. Notice how **T** ends in character **7** so character **8** and all remaining characters should be **0**.

40031 = 5052H
40032 = 4520H
40033 = 4341H
40034 = 5400H
40035 = 0000H
40036 = 0000H
40037 = 0000H
40038 = 0000H

Next, write these values to the registers. If using Altronic ModbusTool, first convert the hex numbers to decimal like so:

40031 = 20562
40032 = 17696
40033 = 17217
40034 = 21504
40035 = 0000H
40036 = 0000H
40037 = 0000H
40038 = 0000H

The Custom Label is now programmed.

CONTINUED

For **DSG-1692 Channel 2**, repeat the following steps, but substitute register **40030** with **40074** and **40031-40038** with **40075-40082**.

An ASCII Table is shown for conversion of Alphabetic Characters to the HEX number.

	0	1	2	3	4	5	6	7
0	NUL	DLE	space	0	@	P	`	p
1	SOH	DC1 XON	!	1	A	Q	a	q
2	STX	DC2	"	2	B	R	b	r
3	ETX	DC3 XOFF	#	3	C	S	c	s
4	EOT	DC4	$	4	D	T	d	t
5	ENQ	NAK	%	5	E	U	e	u
6	ACK	SYN	&	6	F	V	f	v
7	BEL	ETB	'	7	G	W	g	w
8	BS	CAN	(	8	H	X	h	x
9	HT	EM	)	9	I	Y	i	y
A	LF	SUB	*	:	J	Z	j	z
B	VT	ESC	+	;	K	[	k	{
C	FF	FS	,	<	L	\	l	|
D	CR	GS	-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	del