



14306 Industrial Rd  
 Omaha, NE 68144  
 Phone (402) 733-2829  
 Fax (402) 733-5292

## PROGRAMMING THE HEATER CONTROL MODULE FOR CETAC PRODUCTS

1. Configuration settings. (**Note: please read once through before beginning programming**)
  - a. Press and hold both the arrows up and down until **CnFg** is displayed.
  - b. Press and hold the set button and press and release the arrow up button so that (**yes**) is displayed then release the set button.
  - c. The display will then read **tag**.
  - d. Press and hold the set button and press and release the arrow up button the display will go blank, then release the set button. (**Note: if programming was delayed after 1. d then repeat 1. a (Aut will be displayed, press arrow up until CnFg is displayed), repeat 1. b and then continue at 1 e.)**)
  - e. Press and release the arrow down button, **In** will be displayed. Press and hold the set button and press and release the arrow up or down button until the display reads **H**, release the set button. Press and release the arrow down button to repeat the process for the following settings.

**STEP 1**                      **STEP 2**  
**ARROW DOWN**            **RELEASE ARROW DOWN**  
**HOLD SET AND PRESS AND RELEASE THE ARROW UP OR DOWN FOR THE FOLLOWING SETTINGS**

	M-6000A	MCN-6000 & ARIDUS a. SPRAY CHAMBER b. DESOLVATOR OVEN	ULTRASONIC NEBULIZER AT <sup>+</sup> a. HEATER b. COOLER	MDX 200
1. C_F	1. °C	1. (a. °C) (b. °C)	1. (a. °C) (b. °C)	1. °C
2. rL	2. 0	2. (a. 35) (b. 70)	2. (a. 120) (b. -20)	2. 80
3. rh	3. 130	3. (a. 75) (b. 160)	3. (a. 160) (b. 10)	3. 160
4. Ot1	4. hEAt	4. (a. hEAt) (b. hEAt)	4. (a. hEAt) (b. hEAt)	4. hEAt
5. Ot2	5. nonE	5. (a. nonE) (b. nonE)	5. (a. nonE) (b. nonE)	5. nonE
6. dISP	6. Ac	6. (a. Ac) (b. Ac)	6. (a. Ac) (b. Ac)	6. Ac
7. FAIL	7. bPLS	7. (a. bPLS) (b. bPLS)	7. (a. bPLS) (b. bPLS)	7. bPLS
8. SLOC	8. no	8. (a. no) (b. no)	8. (a. no) (b. no)	8. no
9. tag	9. (blank display)	9. (a/b blank display)	9. (a/b blank display)	9. (blank display)

- f. Press and hold both the arrows up and down until the display returns to normal.
2. Setting Pid.
  - a. Press and hold both the arrows up and down until **Aut** is displayed.
  - b. Press and release the arrow up button until **Pid** is displayed.
  - c. Press and hold the set button and press and release the arrow up button until **YES** is displayed, then release the set button.
  - d. **Pb h** will be displayed. Press and hold the set button and press and release the arrow up or down button until the display reads the correct setting for the unit you are programming, release the set button. Press and release the arrow down button to repeat the process for the remaining settings.

**STEP 1**                      **STEP 2**  
**ARROW DOWN**            **RELEASE ARROW DOWN**  
**HOLD SET AND PRESS AND RELEASE THE ARROW UP OR DOWN FOR THE FOLLOWING SETTINGS**

	M-6000A	MCN-6000 & ARIDUS a. SPRAY CHAMBER b. DESOLVATOR OVEN	ULTRASONIC NEBULIZER AT <sup>+</sup> a. HEATER b. COOLER	MDX 200
1. Pb h	1. 9	1. (a. 27) (b. 27)	1. (a. 27) (b. 4)	1. 27
2. Ct h	2. 1.0	2. (a. 1.0) (b. 1.0)	2. (a. 1.0) (b. 1.0)	2. 1.0
3. It	3. 2.75	3. (a. 1.00) (b. 1.00)	3. (a. 1.00) (b. 5.81)	3. 1.00
4. dE	4. 0.11	4. (a. .55) (b. .35)	4. (a. .35) (b. .24)	4. .35
5. CAL	5. 0	5. (a. 0) (b. 0)	5. (a. 0) (b. 0)	5. 0

- e. Press and hold both the arrows up and down until the display returns to normal.
3. Setting Watlow programming lock.
  - a. Press and hold both the arrows up and down until **AUt** is displayed.
  - b. Press and release the arrow up button until **CnFg** is displayed.
  - c. Press and hold the set button and press and release the arrow up button until the display reads **YES**, then release the set button. **In** will be displayed.

- d. Press and release the arrow up button and **tAg** will be displayed, then press and hold the set button and press and release the arrow down button until the display reads **PCOA**. Release the set button.
- e. Press and hold both the arrows up and down until the display returns too normal.