



OPERATOR PROGRAMMING GUIDE SR2

Part # DH31266IVM

REVISION 1/5/2025

Copyright © DuBois Chemicals Australia 2025



INDEX

	Page #
Zelio SR2 Mounted in Vacuum	3
Overview of Zelio SR2	4
Overview of LCD Screen & Internal Functions	5
Date & Time Setting	6
Setting of Vac Run Time per Coin	7
Checking & Resetting Coin & Token Counters	8
Zelio SR2 Clock Display	9
Setting the Operating Time	10
Programming Bonus Time	11
Programming Operating Hours for Bonus Time	12
Electrical Connections	13



ZELIO SR2 MOUNTED IN VACUUM





OVERVIEW OF ZELIO SR2

As of February 2008 the programming of the Zelio SR2 has changed and allowed us to display the resettable coin counter as the primary screen, also by pressing the **up arrow** you can view the non-resettable coin counter. Press **shift + menu/ok** together to be taken to the run screen, by repeating this you will return to the resettable coin counter screen.



REF	DESCRIPTION
1	Retractable mounting feet
2	Screw terminal block for the power supply
3	LCD, 4 lines, 18 characters
4	Screw terminal block for inputs
5	Screw terminal block for 0-10 Volt analog inputs usable in discreet mode on some models
6	Connector for backup memory of PC connection cable
7	Shift key
8	Selection and validation key
9	Relay output screw terminal block
10	Arrow keys or after first configuring them, Z push buttons



OVERVIEW OF LCD SCREEN & INTERNAL FUNCTIONS

Telemecanique						
1→		1234		ВC	DE	
2→				STO	ΡL	D
3→		THU	25 S E	EP 10	6:4	0
4→		1234				
5→		1	2	3	4	
		•	•		►	Menu / OK

REF	DESCRIPTION
1	Input status display (B…E represent the analog inputs*)
2	Display of the operation mode (RUN/STOP) and programming mode (LD/FBD)
3	Display of the date (day and time for products with clock)
4	Output status display
5	Contextual menus / push buttons / icons indicating the operating modes

Internal Functions

<u>Timers</u>

- TT1 Time per \$1.00
- TT2 Timer per \$2.00
- TT3 Bonus Time per \$1.00
- TT4 Bonus Time per \$2.00

Counters

- CC1 Coin Count
- CC2 Token Count
- CC3 Non Reset Coin
- CC4 Non Reset Token

Time Clocks

- H1 Bonus Time
- H2 Vacuum Operation Time



DATE & TIME SETTING

- 1. Press shift + menu/ok together to access the run screen
- 2. Press menu/ok to access the main menu
- 3. Use the **up** or **down arrow** to scroll to **Change D/H**, once selected it will flash
- 4. Press menu/ok to access settings
- 5. Use the **right arrow** to scroll to the setting that needs to be adjusted
- 6. Once the setting you want to adjust is flashing use the **up** or **down arrow** to change the value.
- 7. Once all the settings are adjusted as required press menu/ok to save settings
- 8. To exit the main menu press the left arrow



SETTING OF VAC RUN TIME PER COIN

Standard times per coin

TT1 (\$1 Coin) = 3:00 Minutes

TT2 (\$2 Coin) = 6:00 Minutes

- 1. Press shift + menu/ok together to access the run screen
- 2. Press menu/ok to access the main menu
- 3. Use the up or down arrow to scroll to Parameters, once selected it will flash
- 4. Press menu/ok to access settings, the screen will display CC1 Counter
- 5. Using the up arrow advance to TT1 Timer C
- 6. Press right arrow and the time will flash
- 7. Use the up or down arrow to change the time setting
- 8. Press **menu/ok.** The screen will ask you to confirm the settings, press **menu/ok** while **yes** is flashing to confirm, you will return to the TT1 Timer settings screen and the new time will be flashing
- 9. Press the **right arrow**. The TT**1** will now be flashing
- 10. Press the **up arrow**, now the **TT2 Timer C** screen will be shown
- 11. Press the right arrow and the time will flash
- 12. Use the **up** or **down arrow** to change the time setting
- 13. Press **menu/ok.** The screen will ask you to confirm the settings, press **menu/ok** while **yes** is flashing to confirm, you will return to the TT2 Timer settings screen and the new time will be flashing
- 14. Press **menu/ok** to return to the **coin counter screen**.

A feature built into this timer allows for a $2 \text{ coin to be programmed with a different run time, not just double the value of 1 coin. E.g. <math>2 = 7:00 \text{ Minutes}$



CHECKING & RESETTING COIN & TOKEN COUNTERS

Viewing Counters

- 1. It is quite common for the display to be showing the **resettable coin counter**, however, if you are in the **run screen** press **shift + menu/ok** to access the **resettable coin counter** screen.
- 2. To view the <u>non</u> resettable coin counter screen press and hold the up arrow, once the button it released the screen will revert back to the resettable coin counter screen

Resetting Counters

- 1. It is quite common for the display to be showing the **resettable coin counter**, however, if you are in the **run screen** press **shift + menu/ok** to access the **resettable coin counter** screen.
- 2. To reset the coin counter press the down arrow



ZELIO SR2 CLOCK DISPLAY

Clock function block parameters



PARAMETER	REF	DESCRIPTION
Clock module number	1	Eight blocks can be used, numbered from 1 to 8
Type of date configuration	2	D/W: Days of the week
Validity day (D/W TYPE)	3	Validity day: 0: Monday 1: Tuesday 6: Sunday Days that are not selected are indicated by a _ character
Start time (D/W TYPE)	4	This is the operation start time, in Hour : Minute format (00.00 to 23.59)
End time (D/W TYPE)	5	This is the operation END time, in Hour : Minute format (00.00 to 23.59)
Parameter lock	6	This parameter is used to lock the parameters of the Clock function block. Once locked, the preset value is no longer displayed in the Parameter menu
Operating ranges	7	4 operating ranges are available: A,B,C & D



SETTING THE OPERATING TIME

<u>DO NOT</u> adjust this if 24 Hrs 7 days a week operation is required as this is a default setting

- 1. Press **shift + menu/ok** together to access the **run screen**
- 2. Press **menu/ok** to access the main menu
- 3. Use the up or down arrow to scroll to Parameters, once selected it will flash
- 4. Press menu/ok to access settings, the screen will display CC1 Counter
- 5. Use the **up arrow** to scroll to **H2**
- 6. Use the **right arrow** to scroll through the options
- 7. The **right arrow** will take you to a flashing **A**. Using the **up** or **down arrow** you can scroll thru **A**, **B**, **C** and **D**. This allows you to have 4 different operating times. Please note: The B, C & D operating times should <u>only</u> be used if you have different operating times for different days of the week.
- 8. Starting with **A**, and once its flashing use the **right arrow** to scroll to the next setting. From here you can select what days of the week you would like this program to run.
- 9. Use the **up** or **down arrow** to select the corresponding number to the day, use the **right arrow** to scroll to the next day.
 - 0 = Monday
 - 1 = Tuesday
 - 2 = Wednesday
 - 3 = Thursday
 - 4 = Friday
 - 5 = Saturday
 - 6 = Sunday
 - NB: If you want to exclude a particular day for this operating time leave it as "-".
- 10. After selecting the days for this specific operating time press the **right arrow**. The **On Time hour** will begin to flash. Use the **up** or **down arrow** to select the appropriate hour. Use the **right arrow** to scroll to the **On Time Minutes**. Use the **up** or **down arrow** to select the appropriate minutes
- 11. Continue scrolling with the **right arrow** to program the **Off Time** hours and minutes in the same way as detailed in Step 10
- 12. Once all the fields have been completed press **menu/ok**. The screen will ask you to confirm the settings, press **menu/ok** while **yes** is flashing to confirm, you will return to the H2 screen and the new operating times will be flashing
- 13. Press menu/ok to return to the coin counter screen



PROGRAMMING BONUS TIME

Bonus Time is a feature that allows you to give extra running time per coin to your customers during times set by you. For example, if you give 3 minutes running time per \$1.00 as a standard, during Bonus Time you can give the customer 4 minutes running time per dollar as a bonus of 33%.

The use of this function is only required if you want to run a bonus time feature at a certain time of the day or week.

TT3 = Bonus Time per \$1 Coin TT4 = Bonus Time per \$2 Coin

- 1. Press **shift + menu/ok** together to access the **run screen**
- 2. Press **menu/ok** to access the main menu
- 3. Use the up or down arrow to scroll to Parameters, once selected it will flash
- 4. Press **menu/ok** to access settings, the screen will display **CC1 Counter**
- 5. Using the up arrow advance to TT3 Timer C
- 6. Press the **right arrow** and the time will flash
- 7. Use the up or down arrow to change the time setting
- 8. Press **menu/ok.** The screen will ask you to confirm the settings, press **menu/ok** while **yes** is flashing to confirm, you will return to the TT3 Timer settings screen and the new time will be flashing
- 9. Press the right arrow. The TT3 will now be flashing
- 10. Press the up arrow, now the TT4 Timer C screen will be shown
- 11. Press the **right arrow** and the time will flash
- 12. Use the **up** or **down arrow** to change the time setting
- 13. Press menu/ok. The screen will ask you to confirm the settings, press menu/ok while yes is flashing to confirm, you will return to the TT4 Timer settings screen and the new time will be flashing
- 14. Press **menu/ok** to return to the **coin counter** screen



PROGRAMMING OPERATING HOURS FOR BONUS TIME

- 1. Press shift + menu/ok together to access the run screen
- 2. Press **menu/ok** to access the main menu
- 3. Use the up or down arrow to scroll to Parameters, once selected it will flash
- 4. Press menu/ok to access settings, the screen will display CC1 Counter
- 5. Use the **up arrow** to scroll to **H1**
- 6. Use the **right arrow** to scroll through the options
- 7. The right arrow will take you to a flashing A. Using the up or down arrow you can scroll thru A, B, C & D. This allows you to have 4 different bonus times. Please note: The B, C & D times should <u>only</u> be used if you have different bonus times for different days of the week.
- 8. Starting with **A**, and once its flashing use the **right arrow** to scroll to the next setting. From here you can select what days of the week you would like the bonus time to run.
- 9. Use the **up** or **down arrow** to select the corresponding number to the day, use the **right arrow** to scroll to the next day.
 - 0 = Monday
 - 1 = Tuesday
 - 2 = Wednesday
 - 3 = Thursday
 - 4 = Friday
 - 5 = Saturday
 - 6 = Sunday

NB: If you want to exclude a particular day for this operating time leave it as "-".

- 10. After selecting the days for this specific bonus time press the **right arrow**. The **On Time hour** will begin to flash. Use the **up** or **down arrow** to select the appropriate hour. Use the **right arrow** to scroll to the **On Time Minutes**. Use the **up** or **down arrow** to select the appropriate minutes
- 11. Continue scrolling with the **right arrow** to program the **Off Time** hours and minutes in the same way as detailed in Step 10
- 12. Once all the fields have been completed press **menu/ok**. The screen will ask you to confirm the settings, press **menu/ok** while **yes** is flashing to confirm, you will return to the H1 screen and the new bonus times will be flashing
- 13. Press menu/ok to return to the coin counter screen



ELECTRICAL CONNECTIONS

<u>Input</u>

- I1 Coin Input
- I2 Token Input (if applicable)

<u>Outputs</u>

Q1 Motor Relay Output Q2 Power to Coin Mechanism