### Example of a Walk In Room Control Upgrade



## Software User Guide

## iTools - Configuration and Monitoring Software

• A complete engineering studio for **Configuration**; **Data logging**; **Communications**; **Monitoring software** 

### View Builder

View builder allows creation of customized screens to provide a simple visualization of your process.

### **Data logging and trending**

Access to real time monitoring

#### Setpoint program editor - simple setup of setpoint profiles

A number of screens have been configured as detailed in the next few pages but all are configurable by the end user to make the system more user friendly.

kolog korder Shortout to Overview.UIU	Double click on shortcut to Open the Overview Page This page enables single set-point of the
Tools View Runner   Environmental + Technical Services Ltd. Weiss Technik Chamber   18.8 Temperature Deg.C 20.0 Set Point   77.8 Humidity % RH 50.0 Set Point   * Direct Cool/Heat Event 0P1 MEvents 0FF MEvents 0FF   * Humidity Enable Event 0P2 Methods of the composition protect 0P1+3 MEvents 0FF   View Chat Open Set Point Program Editor Program	SPEda SPEda BOO BOO
Digital Event Outputs can be edited here as needed	Click to Open a Trending Chart
Use t to set Data	his menu -up the logger





# Set Point Programming Editor

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Infri Recorder Recycle Bri Pro Scope Pro logfiles Ramp rółe Calculator ods	View Charl Dpen Set Peirk Program Editor Program Run Proge	Click on the Controller image to connect to the controller
My Documents My Computer My Letwork Places Coerrofice Xobbe Reader X	ook Weiss CharLUX-IT ♥ Weiss CharLUX-IT ♥ Removable Dak.(E) ↑ Bools ♥ Unit Foods Year Runner Environmental + Technical Services Ltd. Weiss Technik Chamber 99.2 Temperature Deg.C 30.0 Set Point 58.4 Humidity %RH © Direct Cod/Heat Event OP2 1 Hundy Enable and 80 Descont OP24 C Hundy Enable and 80 Descont OP24 C Direct Cod/Heat Event OP2 Hundy Enable and 80 Descont OP24 C Direct and Condensator protect OP1-3	ted 1 - OpenOf ) Toolo Yew Runner Editor (* ) 09:40
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A program consists of a number of segments. This setting defines the individual segment behaviour.

## Value Options

#### 0: End Segment

An end segment terminates a program. In an end segment, the programmer can be

configured to reset to local setpoint or to continuously dwell at the last programmer setpoint. 2: Time to Target Segment

A time to target segment specifies the duration of the segment and the final setpoint for the segment. The Instrument then calculates the ramp rate to move the setpoint to the target in the specified time.

Time to target profiles are easier to setup than ramp rates, however, since the first segment has an unknown starting point, it is not possible to predict the rate of change of setpoint for the first segment.

5: Wait Segment Specifiy Conditional Transition to Next Segment

Wait criteria include waiting on programmer digital inputs (PrgIn1 and PrgIn2), PVWaitIP which specifies wait criteria for an auxiliary PV, or the end of a segment of the other channel (Dual Programmers only).



Segment Edit	
Segment.Holdback	
Holdback Enable For Segment	
Heldback provents the pregram from advan	ring factor than the lead can react
Holdback continuously monitors the differen	ce between the PV and the programmer setpoint. The holdback type
specifies whether the holdback tests for dev	viations above or below the setpoint.
For example, a rising ramp may set the hold	back to deviation low, while a falling ramp, may set it to deviation
high.	
Value Options	
• •	
Holdback is not configured.	
1: Low Holdback	
Holdback is applied when PV is below the program setp	oint by holdback value.
2: High Holdback	
Holdback is applied when PV is above the program setp	point by holdback value.
3: Band Holdback	
Holdback is applied when PV is above or below the pro-	gram setpoint by holdback value.
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Program.1 - 4 Parameters (7 hidden)

Holdback Values. If these values are too small the program will not come out of "Holdback"







The Home display shows the current Temperature, Setpoint, and output on

the top portion of the display. Below the dotted line shows the current Humidity in %RH, the Setpoint and the current control output.



More information on standard screens can be obtained from the Eurotherm Manual. Eurotherm3500\_HA027987\_9.pdf or download from http://www.eurotherm.com/downloads/