Model: CEN-TIA
Device Type: Telephone Interface

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	CHVTHSTAT_TSTAT To Speech
CATEGORY:	Telephone
VERSION:	1
SUMMARY:	Converts the setting from a Crestron CHV-THSTAT or CHV-TSTAT to digital pulses that can then trigger wav files stored in the CEN-TIA to give audio feedback of current settings and allows user control with audio prompts.

CONTROL:

Report_mode	D	Triggers 1 of 5 digital outputs based on the current feedback from the TSTAT. The outouts are (Demo program wav shown in " "): Play_heat_wav — "The HVAC is in Heat" Play_cool_ wav — "The HVAC is in Cool" Play_auto_ wav — "The HVAC is inAuto" Play_aux_heat_ wav — "The HVAC is in Aux Heat" Play_hvac_off_ wav — "The HVAC is Off"
Report_setpoint(s)	D	Triggers wav files to play the current setpoint value(s). Example: If using a CHV-THTSTAT in auto mode with the setpoints at 68, 72, and 40%, the following wav files would be triggered in secession (Demo program wav shown in " "): Play_dual_sp_1_wav — "The current setpoints are" Play_60 — "60" Play_8 — "8" Play_degrees_wav — "degrees" Play_dual_sp_2_wav — "and" Play_70 — "70" Play_2 — "2" Play_degrees_ wav — "degrees" Play_humidity_sp_wav — "and the humidity setpoint is" Play_40 — "40" Play_percent_wav — "percent"
Report_outdoor_temp	D	When used with an outdoor sensor, triggers wav files to play the current outdoor temperature. Example: If the outdoor temperature is 75 dregees (Demo program wav shown in " "): Play_dual_sp_1_wav — "The outdoor temperature is" Play_60 — "70" Play_8 — "5" Play_degrees_wav — "degrees"
Report_indoor_humidity	D	When used with an indoor humidity sensor, triggers wav files to play the current indoor humidity. Example: If the indoor humidity is 55% (Demo program wav shown in " "): Play_dual_sp_1_wav — "The indoor humidity is" Play_60 — "50" Play_8 — "5" Play_percent_wav — "percent"

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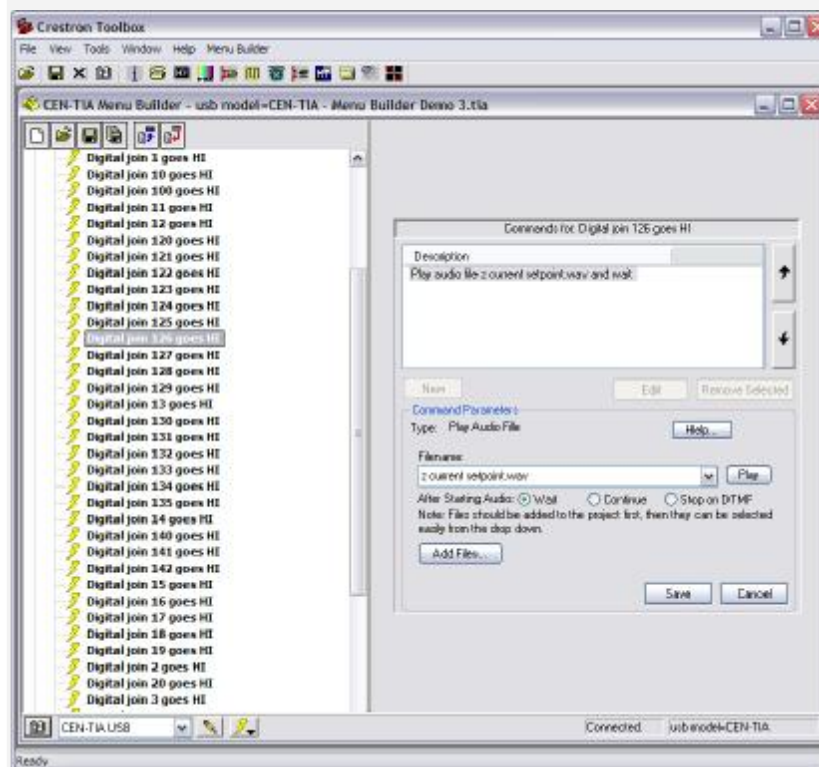## Device Type: Telephone Interface

Report_outdoor_humidity	D	When used with an outdoor humidity sensor, Triggers wav files to play the current outdoor humidity. Example: If the outdoor humidity is 48% (Demo program wav shown in " "): Play_dual_sp_1_wav "The outdoor humidity is" Play_60 "40" Play_8 "8" Play_percent_wav "percent"
Heat_Mode_F – Thermostat_Offline_fb	D/A/S	Signals from the CHV-THSTAT/CHV-TSTAT to the module. Terminate unused signals with "//"
PlayWav_F	D	Feedback from the CEN-TIA. This signal is used by the module to trigger the next wav file to be played and must be used for proper operation.
DualSetpointAuto	D	Input from the CHV-THSTAT/CHV-TSTAT slot 6

FEEDBACK:

Play_1 through play_degrees_below_zero_wav	D	Pulsed high in secession to make complete audio reports. These signals are then routed to the CEN-TIA to trigger wav files to be played as shown in the Menu Builder screen shot below.

TESTING:

SOFTWARE USED FOR TESTING:	Crestron Database: 18.4.3 Crestron SystemBuilder: 3.1.11 Crestron SystemBuilder Templates: 3.1.2 Crestron Toolbox: 1.04.13 SIMPL Windows: 2.08.26 SIMPL Windows Library: 444
SAMPLE PROGRAM:	CEN-TIA Demo v1.smw
REVISION HISTORY:	