SIMPLWINDOWS NAME:	Event Scheduler
CATEGORY:	Timers
VERSION:	1.0
SUMMARY:	Allows up to 50 events to be scheduled by time and date.
GENERAL NOTES:	The Event Scheduler module allows you to program up to 50 separate events to occur based on date and time. This module offers the following options: - up to 50 events - one-time events - repeatable events by day/week/month/year This module uses SIMPL+ code, which only runs on a CNX-series control system. Usage: Please see the sample program for help on how to use this module. This can be found in the Archive.
CRESTRON HARDWARE REQUIRED:	This module uses one or more SIMPL+ modules. Thus, it can only be used with a SIMPL+-complatible control system (currently any CNX-series processor).
SETUP OF CRESTRON HARDWARE:	This module has been tested and verified using the following system firmware: MONITOR: v5.04.01 OPERATING SYSTEM: v5.04.01
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE NUMBER:	None

CONTROL:

ENABLE	A digital signal which enables or disables event triggering. When high, scheduled events will trigger at the appropriate time. When disabled, no events will trigger, though events can be scheduled and reviewed while disabled.
EVENT-X-SEL	These are event-selection inputs. A momentary pulse on one of these inputs will select a given event for editing. Any changes made to event time, date, or type will affect this signal until another is selected.
MIN+, MIN-	Adjusts the event minute up or down. Changing the minute does not effect the hour (e.g. advancing past 59 does not increment the hour).
HOUR+, HOUR-	Adjusts the event hour up or down.
NOW	Sets the event time to the current time
DAY+, DAY-	Adjusts the event day up or down. Adjusting the day has no effect on the month or year (e.g. advancing past 31 back to 1 does not increment the month). You cannot set the date earlier than the current date.
MONTH+, MONTH-	Adjusts the event month up or down. Adjusting the month has no effect on the year (e.g. advancing past 12 does not increment the year). You cannot set the date earlier than the current date.
YEAR+, YEAR-	Adjusts the event year up or down. Maximum year is 2057, and minimum year is the current year. You

	cannot set the date earlier than the current date.
TODAY	Sets the event date to the current date
NO_REPEAT	Sets the event type to "do once." This type of event will occur once and then become "finished."
DAY_REPEAT	Sets the event to repeat every x days, where x is set by adjusting the repeat value (see below).
WEEK_REPEAT	Sets the event to repeat every x weeks, where x is set by adjusting the repeat value (see below).
MONTH_REPEAT	Sets the event to repeat every x months, where x is set by adjusting the repeat value (see below).
YEAR_REPEAT	Sets the event to repeat every x years, where x is set by adjusting the repeat value (see below).
REPEAT_VAL+, REPEAT_VAL-	Adjusts the event repeat value up or down. The available range of values depends on the current repeat type (e.g. 1-31 for "days", and 1-52 for "weeks").

FEEDBACK:

EVENT_X_TRIG	These signals (internally BUFFERed) will pulse high when an event comes due. Connect this signal to additional logic to make actions occur when a given event triggers.
EVENT_TYPE$	A serial output containing the event type. This should be brought to an indirect text field on a touchpanel.
EVENT_DATE$	A serial signal transmitting the event date. This should be brought to an indirect text field on a touchpanel.
EVENT_TIME$	A serial signal transmitting the event time. This should be brought to an indirect text field on a touchpanel.
MESSAGE$	A serial signal transmitting special messages. This is an optional signal that may be brought to an indirect text field.

PARAMETERS:

NUMBER OF EVENTS	This parameter should be set to a value (in decimal) equal to the highest event that you need. That is, if you plan to allow the scheduling of 30 events, you should set this value to '30d'. This value prevents the module from having to check all 50 events constantly, if they are not all needed.

OPS USED FOR TESTING:	v5.04.01
COMPILER USED FOR TESTING:	T.B.D.
SAMPLE PROGRAM:	T.B.D.
REVISION HISTORY:	None