

# AddIntervalLocal

## %AddIntervalLocal function

Function	The function adds relative time <b>TimeR</b> to absolute time <b>TimeA</b> . The result is a value of the <i>Absolute time</i> type.						
Declaration	<pre>TIME %AddIntervalLocal(     TIME in TimeA,     REAL in TimeR,     TEXT in timeZone := %GetCurrentTimeZone() )</pre>						
Parameters	<table><tr><td><b>T i m eA</b></td><td>Absolute time.</td></tr><tr><td><b>T i m eR</b></td><td>Relative time.</td></tr><tr><td><b>t i m e z o n e</b></td><td>Name of the time zone used for conversion to local time (e.g. "Europe/London") or definition of fixed offset from UTC using format "(+/-)hh[:mi[:ss]]", where <i>hh</i> defines a number of hours, <i>mi</i> defines a number of minutes, and <i>ss</i> defines a number of seconds. Sign as well as a number of hours are mandatory parts of offset definition, number of minutes and seconds are optional and default to 0 (e.g. "+02:30" defines offset of 2 hours and 30 minutes from UTC). The empty text has the same meaning as function <a href="#">%GetCurrentTimeZone</a>. Note: For historical reasons, an integer parameter is also accepted. Its interpretation is as follows: 0 - zone "Europe/London", 3600 - zone "Europe/Bratislava", 7200 - zone "Europe/Kiev", 21600 - zone "Asia/Almaty". Usage of integer parameter is deprecated and generates warning into log file!</td></tr></table>	<b>T i m eA</b>	Absolute time.	<b>T i m eR</b>	Relative time.	<b>t i m e z o n e</b>	Name of the time zone used for conversion to local time (e.g. "Europe/London") or definition of fixed offset from UTC using format "(+/-)hh[:mi[:ss]]", where <i>hh</i> defines a number of hours, <i>mi</i> defines a number of minutes, and <i>ss</i> defines a number of seconds. Sign as well as a number of hours are mandatory parts of offset definition, number of minutes and seconds are optional and default to 0 (e.g. "+02:30" defines offset of 2 hours and 30 minutes from UTC). The empty text has the same meaning as function <a href="#">%GetCurrentTimeZone</a> . Note: For historical reasons, an integer parameter is also accepted. Its interpretation is as follows: 0 - zone "Europe/London", 3600 - zone "Europe/Bratislava", 7200 - zone "Europe/Kiev", 21600 - zone "Asia/Almaty". Usage of integer parameter is deprecated and generates warning into log file!
<b>T i m eA</b>	Absolute time.						
<b>T i m eR</b>	Relative time.						
<b>t i m e z o n e</b>	Name of the time zone used for conversion to local time (e.g. "Europe/London") or definition of fixed offset from UTC using format "(+/-)hh[:mi[:ss]]", where <i>hh</i> defines a number of hours, <i>mi</i> defines a number of minutes, and <i>ss</i> defines a number of seconds. Sign as well as a number of hours are mandatory parts of offset definition, number of minutes and seconds are optional and default to 0 (e.g. "+02:30" defines offset of 2 hours and 30 minutes from UTC). The empty text has the same meaning as function <a href="#">%GetCurrentTimeZone</a> . Note: For historical reasons, an integer parameter is also accepted. Its interpretation is as follows: 0 - zone "Europe/London", 3600 - zone "Europe/Bratislava", 7200 - zone "Europe/Kiev", 21600 - zone "Asia/Almaty". Usage of integer parameter is deprecated and generates warning into log file!						
Description	The function <b>%AddIntervalLocal</b> adds relative time to the absolute one. The result <b>will not be</b> influenced by the fact that the time jump (between summer and winter time) was or was not performed in this interval. E.g., if 3 hours are added to 1:00 a.m., the result is always 4:00 a.m.						
Example	<pre>; ===== ; Using time zone "Europe/Bratislava" ; Daylight saving time was observed in the year 2009, therefore time shifts occurred. ; Winter [B] time was 1 hour ahead of UTC, summer [A] time was 2 hours ahead of UTC. ; Summer time was from 29th March 2009 to 24th October 2009. ; A3:00:00 is changed to B2:00:00 on Sunday (25th October 2009). ; =====  BEGIN     TIME _baseTime     TIME _addLocal1     TIME _addLocal2      ; 2009-10-24 23:30:00 UTC / 2009-10-25 01:30:00 UTC+02     _baseTime := %StrToTimeEx("2009-10-25 01:30:00", "yyyy-mm-dd hh:mi:ss", "Europe/Bratislava")      ; add 1 hour - result time 2009-10-25 A2:30:00.000 UTC+02     _addLocal1 := %AddIntervalLocal(_baseTime, 3600, "Europe/Bratislava")     ; add 2 hour - result time 2009-10-25 03:30:00.000 UTC+01     _addLocal2 := %AddIntervalLocal(_baseTime, 7200, "Europe/Bratislava") END</pre>						

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