Clock

Non-Visible component

Category	Requires	Version
Sensors	API 19, Android 4.4 - 4.4.4 KitKat	4

Overview

Non-visible component that provides the instant in time using the internal clock on the phone. It can fire a timer at regularly set intervals and perform time calculations, manipulations, and conversions.

Methods to convert an instant to text are also available. Acceptable patterns are empty string, MM/DD/YYYY HH sess a, or MMM d, yyyyHH:mm. The empty string will provide the default format, which is "MMM d, yyyy HH sess a" for FormatDateTime "MMM d, yyyy" for FormatDate. To see all possible format, please see here.

Events

Timer

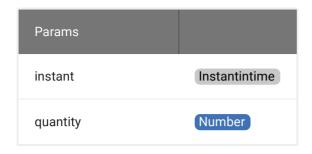
Timer has gone off.

Methods

Add Days

Returns: Instantintime

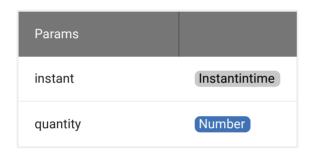
An instant in time some days after the argument



Add Duration

Returns: Instantintime

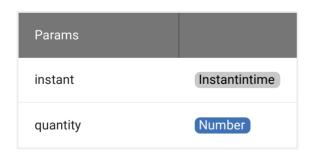
An instant in time some duration after the argument



Add Hours

Returns: Instantintime

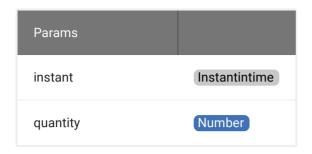
An instant in time some hours after the argument



Add Minutes

Returns: Instantintime

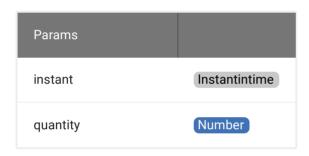
An instant in time some minutes after the argument



Add Months

Returns: Instantintime

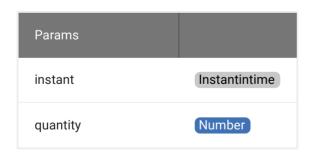
An instant in time some months after the argument



Add Seconds

Returns: Instantintime

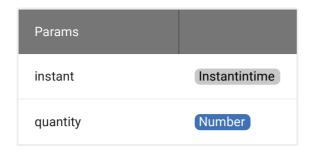
An instant in time some seconds after the argument



Add Weeks

Returns: Instantintime

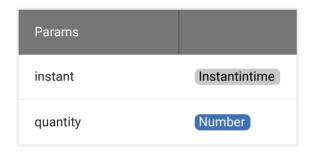
An instant in time some weeks after the argument



Add Years

Returns: Instantintime

An instant in time some years after the argument



Day Of Month

Returns: Number

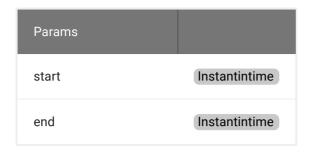
The day of the month



Duration

Returns: Number

Milliseconds elapsed between instants



Duration To Days

Returns: Number

convert duration to days



Duration To Hours

Returns: Number

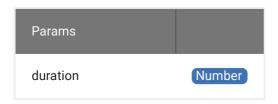
convert duration to hours



Duration To Minutes

Returns: Number

convert duration to minutes



Duration To Seconds

Returns: Number

convert duration to seconds



Duration To Weeks

Returns: Number

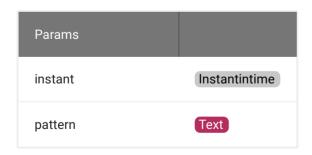
convert duration to weeks



Format Date

Returns: Text

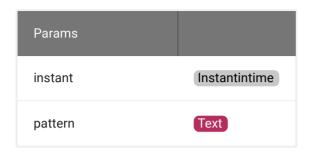
Text representing the date of an instant in the specified pattern



Format Date Time

Returns: Text

Text representing the date and time of an instant in the specified pattern



Format Time

Returns: Text

Text representing the time of an instant



Get Millis

Returns: Number

The instant in time measured as milliseconds since 1970.



Hour

Returns: Number

The hour of the day



Make Date

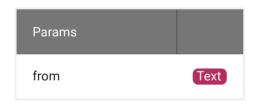
Returns: Instantintime

Allows the user to set the clock to be a date value Valid values for the month field are 1-12 and 1-31 for the day field.



Make Instant

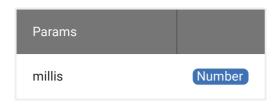
Returns: Instantintime



Make Instant From Millis

Returns: Instantintime

An instant in time specified by the milliseconds since 1970.



Make Instant From Parts

Returns: Instantintime

Allows the user to set the date and time to be displayed when the clock opens Valid values for the month field are 1-12 and 1-31 for the day field.



Make Time

Returns: Instantintime

Allows the user to set the time of the clock - Valid format is hh



Minute

Returns: Number

The minute of the hour



Month

Returns: Number

The month of the year represented as a number from 1 to 12)



Month Name

Returns: Text

The name of the month



Now

Returns: Instantintime

The current instant in time read from phone's clock

Second

Returns: Number

The second of the minute



System Time

Returns: Number

The phone's internal time

Weekday

Returns: Number

The day of the week represented as a number from 1 (Sunday) to 7 (Saturday)



Weekday Name

Returns: Text

The name of the day of the week



Year

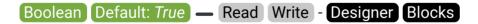
Returns: Number

The year



Properties

Timer Always Fires



Will fire even when application is not showing on the screen if true

Timer Enabled



Fires timer if true

Timer Interval

Number Default: 1000 — Read Write - Designer Blocks

Interval between timer events in ms

Last update: January 26, 2020