

Converting UTC Seconds to the Local Time by Utc2Local

P1 = Utc2Local(**P2**, **P3**, **P4**)

Operation:

Converts the UTC seconds in **P2** to the local time defined by **P3** and **P4**, then saves the result in **P1**.

Parameters:

	Type	Description							
P1	I	The internal word array to receive the result. The data arrangement is shown below.							
		Word No.	Datum		Description				
		0	Second		0~59				
		1	Minute		0~59				
		2	Hour		0~23				
		3	(reserved)		0				
		4	Day		1~31				
		5	Month		1~12				
		6	Year		0~99; 0: year 2000; 99: year 2099				
		7	Day-of-week		0~6 0: Sunday; 1: Monday; ... 6: Saturday				
P2	I/C	The UTC seconds to be converted. P2 must be a double-word internal memory or a 32-bit value. The conversion is only good for the UTC seconds that is later than January 1, 2000.							
P3	I/C	The code of the local time zone. The following table list the codes and zones.							
		Code	Zone	Code	Zone	Code	Zone	Code	Zone
		0	UTC + 08:00	10	UTC - 03:30	20	UTC + 05:00	30	UTC + 10:30
		1	UTC - 11:00	11	UTC - 03:00	21	UTC + 06:00	31	UTC + 11:00
		2	UTC - 10:00	12	UTC - 02:00	22	UTC + 06:30	32	UTC + 12:00
		3	UTC - 09:30	13	UTC - 01:00	23	UTC + 07:00	Others	Same as the setting on the HMI unit
		4	UTC - 09:00	14	UTC	24	UTC - 12:00		
		5	UTC - 08:00	15	UTC + 01:00	25	UTC + 08:30		
		6	UTC - 07:00	16	UTC + 02:00	26	UTC + 08:45		
		7	UTC - 06:00	17	UTC + 03:00	27	UTC + 09:00		
		8	UTC - 05:00	18	UTC + 04:00	28	UTC + 09:30		
		9	UTC - 04:00	19	UTC + 04:30	29	UTC + 10:00		
P4	I/C	The adjustment seconds to be added to the UTC seconds before the conversion.							

I: Internal Variable; C: Constant

Example:

\$U100 = 1572386260 // UTC seconds to be converted

\$U10 = Utc2Local(\$U100, 0, 0) // The local time zone is "UTC + 08:00"

// The adjustment seconds is 0"

// The result saved to \$U10 will be:

// Second (\$U10): 40

// Minute (\$U11): 57

// Hour (\$U12): 5

// (\$U13): 0

// Day (\$U14): 30

// Month (\$U15): 10

// Year (\$U16): 19

// Day-of-week (\$U17): 3