

APPLICATION NOTE

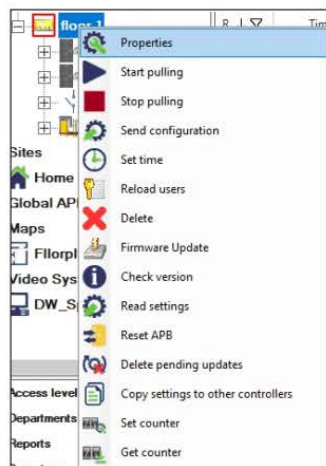
ONLine Access

Setting up time zones and holidays in online EWS system

A056

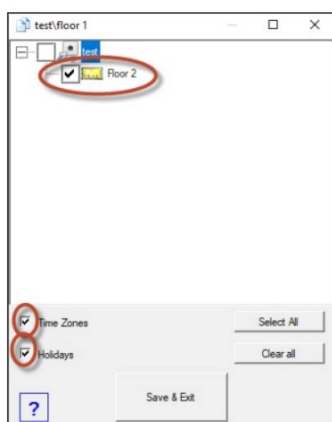
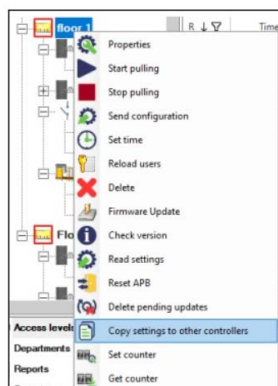
TIME ZONES

Time Zones in EWSi Online systems are created at controller's level. Then after, the same time zones can be copied to other controllers. There are in total 24 Time Zones(time slots) per controller. Once the time zones are created in the controller, they will automatically appear in the Doors, Readers Inputs and Outputs of that controller. The same time zones will appear in the Access Levels.



TZ	Time zone	Begin	End	Hol	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	Morning	08:00	10:30	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Evening	17:00	23:59	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Weekends	08:00	13:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Time zone4	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Time zone5	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Time zone6	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Time zone7	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	Time zone8	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Time zone9	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	Time zone10	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	Time zone11	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Time zone12	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13	Time zone13	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14	Time zone14	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15	Time zone15	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	Time zone16	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17	Time zone17	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18	Time zone18	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19	Time zone19	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Time zone20	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21	Time zone21	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22	Time zone22	00:00	23:59	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Right click on the controller/Properties/Time zones tab. Create max. 24 time zones by defining the time slot (from/to) and the weekdays in which that time zone will be applicable, including holidays. In the example, 3 time zones are created: Morning, Evening and Weekends. Observe that the same time zones will appear in each item under that controller.



To transfer the same time zone to other controllers, right click on the controller and select "Copy settings to other controllers". Select to which controllers to be copied, then select both time zones and holidays if necessary.

Go to Door/right click/Properties/Time zones tab.
The same zones will appear ther. Here you can use them to define a period when the door will stay unlocked, or when the Push Button to work or when the door will be enabled.

Top Left Entry

14:15:13

Front

Properties

Release lock

Disable lock

Enable lock

Report

Camera

Back Door

Inputs

Outputs

APB Groups

Portals\test\floor 1\Top Left Entry

BasicAuxillariesTime zonesAlarms

Door Enabled	PB Enabled	Unlocked	Zone #	Time zone	Begin	End
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	Morning	08:00	10:30
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Evening	17:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	Weekends	08:00	13:00
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	Time zone4	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	Time zone5	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	Time zone6	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	Time zone7	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	Time zone8	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	Time zone9	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	Time zone10	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	Time zone11	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Time zone12	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13	Time zone13	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	Time zone14	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	Time zone15	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	Time zone16	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	Time zone17	00:00	23:59
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	Time zone18	00:00	23:59

Save & Exit

Go to Reader/right click/Properties/Free Access Time Zones tab.

Front Reader

14:16:1414:16:1411.01.21

Back Door

Inputs

Outputs

APB Groups

an

Items

spectrumDe

s

Properties

Check version

Firmware update

Get settings

Send configuration

Calibrate

Memory status

Delete all users from reader

Upload all users to reader

Delete pending updates

Delete expired users from reader

Report

Camera

Portals\test\floor 1\Top Left Entry\Front Reader

BasicFree Access Time ZonesBiometricDisplay

Enable TZ	Zone #	Time zone	Begin	End
<input checked="" type="checkbox"/>	1	Morning	08:00	10:30
<input type="checkbox"/>	2	Evening	17:00	23:59
<input type="checkbox"/>	3	Weekends	08:00	13:00
<input type="checkbox"/>	4	Time zone4	00:00	23:59
<input type="checkbox"/>	5	Time zone5	00:00	23:59
<input type="checkbox"/>	6	Time zone6	00:00	23:59
<input type="checkbox"/>	7	Time zone7	00:00	23:59
<input type="checkbox"/>	8	Time zone8	00:00	23:59
<input type="checkbox"/>	9	Time zone9	00:00	23:59
<input type="checkbox"/>	10	Time zone10	00:00	23:59
<input type="checkbox"/>	11	Time zone11	00:00	23:59
<input type="checkbox"/>	12	Time zone12	00:00	23:59
<input type="checkbox"/>	13	Time zone13	00:00	23:59
<input type="checkbox"/>	14	Time zone14	00:00	23:59
<input type="checkbox"/>	15	Time zone15	00:00	23:59
<input type="checkbox"/>	16	Time zone16	00:00	23:59
<input type="checkbox"/>	17	Time zone17	00:00	23:59
<input type="checkbox"/>	18	Time zone18	00:00	23:59
<input type="checkbox"/>	19	Time zone19	00:00	23:59
<input type="checkbox"/>	20	Time zone20	00:00	23:59
<input type="checkbox"/>	21	Time zone21	00:00	23:59
<input type="checkbox"/>	22	Time zone22	00:00	23:59
<input type="checkbox"/>	23	Time zone23	00:00	23:59
<input type="checkbox"/>	24	Time zone24	00:00	23:59

Go to the "Biometric" tab
Put the serial number of the Biometric Reader

Product Web Page

Save & Exit

Find the same time zones in the Inputs and the Outputs. You can set the Output to be automatically activated in some time zones.

Portals\test\floor 1\Inputs\Free Input

BasicEnabled at Time zonesAuxillaries

Enable TZ	Zone #	Time zone	Begin	End
<input checked="" type="checkbox"/>	1	Morning	08:00	10:30
<input type="checkbox"/>	2	Evening	17:00	23:59
<input type="checkbox"/>	3	Weekends	08:00	13:00
<input type="checkbox"/>	4	Time zone4	00:00	23:59
<input type="checkbox"/>	5	Time zone5	00:00	23:59
<input type="checkbox"/>	6	Time zone6	00:00	23:59
<input type="checkbox"/>	7	Time zone7	00:00	23:59
<input type="checkbox"/>	8	Time zone8	00:00	23:59
<input type="checkbox"/>	9	Time zone9	00:00	23:59
<input type="checkbox"/>	10	Time zone10	00:00	23:59
<input type="checkbox"/>	11	Time zone11	00:00	23:59
<input type="checkbox"/>	12	Time zone12	00:00	23:59

Save & Exit

Portals\test\floor 1\Outputs\Top Left

BasicActivated at Time zonesAuxillaries

Zone #	Time zone	Begin	End
<input type="checkbox"/>	1	Morning	08:00 10:30
<input type="checkbox"/>	2	Evening	17:00 23:59
<input checked="" type="checkbox"/>	3	Weekends	08:00 13:00
<input type="checkbox"/>	4	Time zone4	00:00 23:59
<input type="checkbox"/>	5	Time zone5	00:00 23:59
<input type="checkbox"/>	6	Time zone6	00:00 23:59
<input type="checkbox"/>	7	Time zone7	00:00 23:59
<input type="checkbox"/>	8	Time zone8	00:00 23:59
<input type="checkbox"/>	9	Time zone9	00:00 23:59
<input type="checkbox"/>	10	Time zone10	00:00 23:59
<input type="checkbox"/>	11	Time zone11	00:00 23:59
<input type="checkbox"/>	12	Time zone12	00:00 23:59

Save & Exit

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2

Go to [Access Levels](#).

The same zones will appear here. Select the time zones by ticking the checkbox in front of the time zone. The time zones to be visible, make sure the option “Enable access by time zone” is activated in Reader/Properties.

Access level

Technical Dept

Reader Floors

Readers configured for permanent access

Controller	Door	Reader	24 / 7

Readers configured for access by time zones

Controller	Door	Reader	1	2	3	4	5
floor 1	Top Left Entry	Front Reader	<input checked="" type="checkbox"/> Morning 08:00-10:30 Mon, Tue, Wed, Thu, Fri	<input type="checkbox"/> Evening 17:00-23:59 Mon, Tue, Wed, Thu, Fri	<input type="checkbox"/> Weekends 08:00-13:00, Hol	<input type="checkbox"/> Time zone4 00:00-23:59, Hol Mon, Tue, Wed, Thu, Fri, Sat, Sun	<input type="checkbox"/> Time 00:00 Mon, Thu
floor 1	Back Door	Back Reader	<input checked="" type="checkbox"/> Morning 08:00-10:30 Mon, Tue, Wed, Thu, Fri	<input type="checkbox"/> Evening 17:00-23:59 Mon, Tue, Wed, Thu, Fri	<input checked="" type="checkbox"/> Weekends 08:00-13:00, Hol	<input type="checkbox"/> Time zone4 00:00-23:59, Hol Mon, Tue, Wed, Thu, Fri, Sat, Sun	<input type="checkbox"/> Time 00:00 Mon, Thu

Save & Exit

Portals\test\floor 1: Top Left Entry/Front Reader

Basic Free Access Time Zones Biometric Display

Reader

1

Name

Front Reader

Type

BIOC3

Door

Top Left Entry

Wiegand type

Wiegand 26

Enable access by time zones

☒

Bypass Antipassback

Exit from

Outside

Entry to

Outside

Antipassback reset time

00:00

Free access 24/7

☐ illegal attempt, disable for 0 minutes

Required number of valid users for access

1

Camera

None

Go to the "Biometric" tab
Put the serial number of the Biometric Reader

Product Web Page

Save & Exit

HOLIDAYS

There are two types of holidays: holidays per day and holiday range.

Holiday ranges can be only used for access control i.e they are only applicable in access levels. This would mean that you can create cards that have access during normal period, but not on holidays and holiday ranges. But, you can not make an output to be activated during holiday ranges.

Portals\test\floor 1

Properties Time zones Holidays Advanced APB Lift control Counter

#	Holiday	Repeat each year	Day
1	New Year	<input checked="" type="checkbox"/>	1/1/2020
2	Independence Day	<input checked="" type="checkbox"/>	8/10/2020
3	Easter	<input type="checkbox"/>	7/3/2020
4	Holiday4	<input type="checkbox"/>	1/1/2010
5	Holiday5	<input type="checkbox"/>	1/1/2010
6	Holiday6	<input type="checkbox"/>	1/1/2010
7	Holiday7	<input type="checkbox"/>	1/1/2010
8	Holiday8	<input type="checkbox"/>	1/1/2010
9	Holiday9	<input type="checkbox"/>	1/1/2010

Holiday ranges are available with controller firmware version 4.2 or higher

#	Enable	Holiday ranges	Repeat each year	Start date	End date
33	<input checked="" type="checkbox"/>	Summer break	<input checked="" type="checkbox"/>	6/30/2020	8/19/2020
34	<input checked="" type="checkbox"/>	Winter Break	<input checked="" type="checkbox"/>	1/6/2020	1/27/2020
35	<input type="checkbox"/>	Holiday35	<input type="checkbox"/>	1/1/2010	1/1/2010
36	<input type="checkbox"/>	Holiday36	<input type="checkbox"/>	1/1/2010	1/1/2010
37	<input type="checkbox"/>	Holiday37	<input type="checkbox"/>	1/1/2010	1/1/2010
38	<input type="checkbox"/>	Holiday38	<input type="checkbox"/>	1/1/2010	1/1/2010
39	<input type="checkbox"/>	Holiday39	<input type="checkbox"/>	1/1/2010	1/1/2010
40	<input type="checkbox"/>	Holiday40	<input type="checkbox"/>	1/1/2010	1/1/2010
41	<input type="checkbox"/>	Holiday41	<input type="checkbox"/>	1/1/2010	1/1/2010

Save & Exit