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Parking Counter Guide

Version 0. 1

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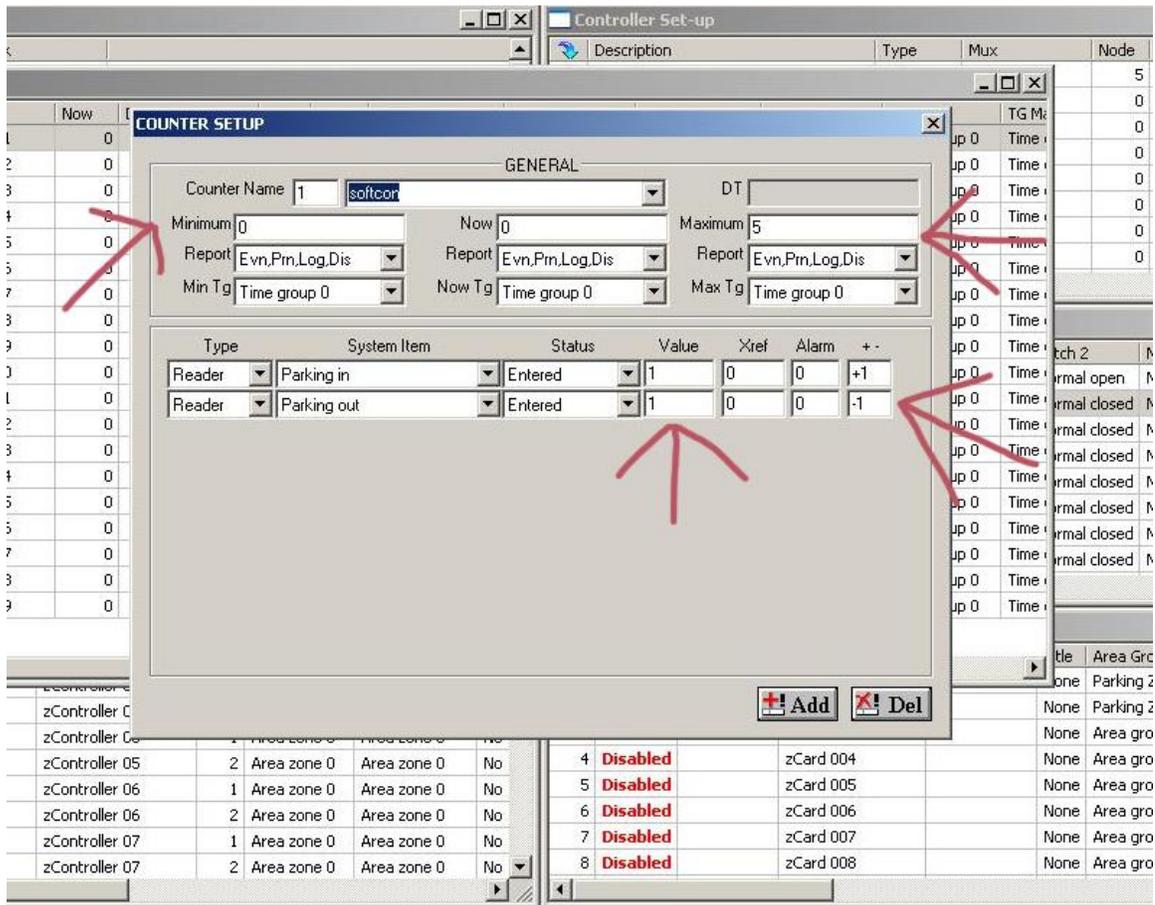
Softcon Software Control Services (Pty) Ltd.

7 March 2017

Revision History

Name	Date	Reason For Changes	Version
MDH	5-Nov-10	Initial document	0.1

- Setup site as per normal [area zone, controller setup, cr351-5, reader setup]
- Setup counter, available must be on zero and maximum must be on the total amount of cards per company and out into the area.
- And two triggers by clicking the add button twice
- Trigger one must have: type=reader, system item=parking in, status=entered, value=1, xref=0, and +=+1
- Trigger two must have: type=reader, system item=parking lot, status=entered, value=1, xref=0, and += -1. For example:



- The only difference between company counters will be the counter name and the value, which will be two or three or four respectively.

COUNTER SETUP

GENERAL

Counter Name Kellogg DT

Minimum Now Maximum

Report Report Report

Min Tg Now Tg Max Tg

Type	System Item	Status	Value	Xref	Alarm	+ -
<input type="text" value="Reader"/>	<input type="text" value="Parking in"/>	<input type="text" value="Entered"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="+1"/>
<input type="text" value="Reader"/>	<input type="text" value="Parking out"/>	<input type="text" value="Entered"/>	<input type="text" value="2"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="-1"/>

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er 05

2	Area zone 0	Area zone 0	No	4	Disabled	zCard 004
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- Next you will have to assign a trigger group, click setup, setup editor, trigger group, open.
- If you will assign one trigger group Per company for example Softcon will have triggered group one and Kellogg's will have a trigger group of two, so on and so forth

Trigger Group

R...	Description
1	Softcon
2	Kellogg
3	zTrigger GRP 3
4	zTrigger GRP 4
5	zTrigger GRP 5
6	zTrigger GRP 6
7	zTrigger GRP 7
8	zTrigger GRP 8
9	zTrigger GRP 9
10	zTrigger GRP 10
11	zTrigger GRP 11
12	zTrigger GRP 12
13	zTrigger GRP 13
14	zTrigger GRP 14
15	zTrigger GRP 15
16	zTrigger GRP 16
17	zTrigger GRP 17
18	zTrigger GRP 18
19	zTrigger GRP 19

The trigger group is what links the counter to the card for example the value entered in the counter properties screen is linked via trigger group to the trigger group field on the properties dialog box of that particular card.

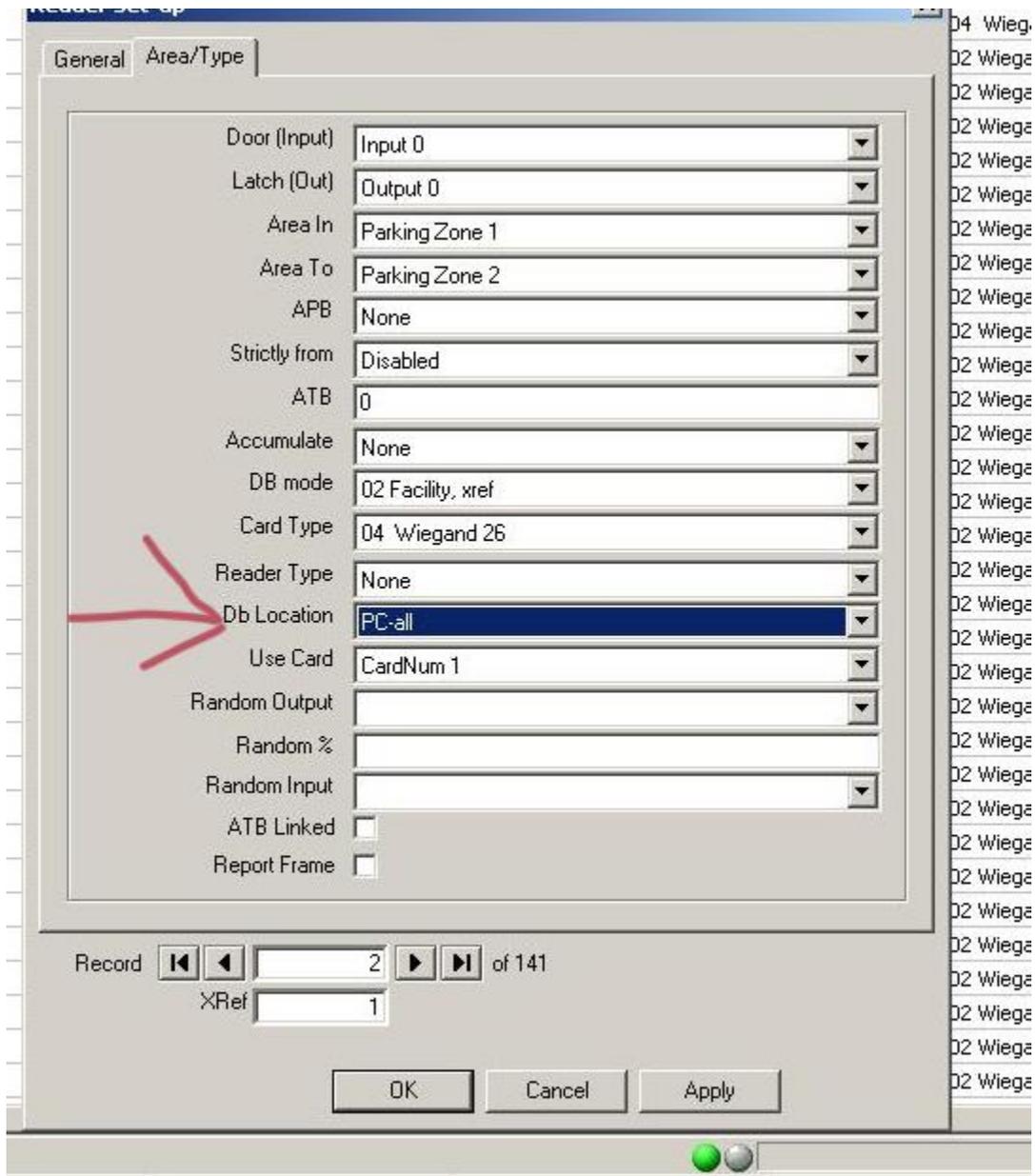
For example all cards belonging to Softcon will have the trigger group of one and all cards belonging to catalogs will have the trigger group of two

The screenshot shows the 'Card Data' dialog box with the following fields and values:

- Locations and Groups:**
 - Location: 0 Area zone 0
 - Time: [empty]
 - Previous Location: 0 Area zone 0
 - Multi Group: ?
 - Area Group: 1 Parking Zone
 - Exp AG Add: 0 Area group 0
 - Exp AG Del: 0 Area group 0
 - Count F AG Add: 0 Area group 0
 - Count F AG Del: 0 Area group 0
 - Time Group: 1 Acc 24hr
 - Trigger Group: 1 Softcon** (highlighted with a red arrow)
 - CD count AG: 0 Setup group 0
 - Capture Group: 0 Setup group 0
 - C Asset Group: 0 zAsset Card Group 0
- Accumulation Totals:**
 - Day: 0
 - Week: 0
 - Month: 0
 - Hr/Week: 0
 - Hr/Leave: 0
- Status:**
 - Status: Enabled
 - Expire Status: Disabled
 - Count F Status: Disabled
 - Random %: [empty]
- Counts:**
 - Pcnt Now: 0
 - Pcnt Limit: 0
 - Period: yyyy-mm-dd hh:mm
 - Count Now: 0
 - Count Limit: 0
 - Last Date: yyyy-mm-dd hh:mm

At the bottom, it shows 'Record 2 of 1000' and 'XRef 1'.

- Next in your readers set up right click on the reader and select properties, click on the area/type tab and change the D. B. location from cntrl-all to pc-all.
- NB: the db location must be changed on both the in and the out readers



- Next you need to set up an event, click on setup and click event. Scroll down to the next available space and fill in the name such as Softcon parking in.
- You will need to add three triggers and two events.

EVENT

Event Name: 2 softcon parking in
 Algorithm: (11+12)*10

PC	Program	Type	System Item	Status	Value	Xref	Alarm	Z1	Z2
Resolve	SCS_Client	Reader	Parking in	Entered	-10	-10	0	0	0
Resolve	SCS_Client	Output	CR_1 Latch 1	Level changed	1	0	0	0	0

EVENT TRIGGERS

Ref	Type	System Item	Status	Value	Xref	Alarm	Z1	Z2
10	Reader	Parking in	Card enabled	1	0	0		
11	Counter	softcon	In Available	0	0	0		
12	Counter	softcon	In Minimum	0	0	0		

zController 16 | 1 | Area zone 0 | Area zone 0 | No | None | None | 0 | No | 02 Wiegand 30 | 02 Facility, xref

zController 16 | 2 | Area zone 0 | Area zone 0 | No | None | None | 0 | No | 02 Wiegand 30 | 02 Facility, xref

- The value in the event line reader will be the same number in the reference for the trigger reader, the negative sign means any information needed will be pulled from their such as card numbers etc.
- Event reads: if a card enabled message comes through and the counter is available or in minimum, generate an entered message as well as change the level of the latch
- The event for the count reader will look the same except with the trigger and latch

EVENT

Event Name: 3 softcon parking out
 Algorithm: [(14+15)*13]

PC	Program	Type	System Item	Status	Value	Xref	Alarm	Z1	Z2
Resolve	SCS_Client	Reader	Parking out	Entered	-13	-13	0	0	0
Resolve	SCS_Client	Output	cr_1 Latch 2	Level changed	1	0	0	0	0

EVENT TRIGGERS

Ref	Type	System Item	Condition	Value	Xref	Alarm	Z1	Z2
13	Reader	Parking out	Card enabled	1	0	0		
14	Counter	softcon	In Maximum	0	0	0		
15	Counter	softcon	In Available	0	0	0		

zController 16	1	Area zone 0	Area zone 0	No	None	None	0	No	02 Wiegand 30	02 Facility, xref
zController 16	2	Area zone 0	Area zone 0	No	None	None	0	No	02 Wiegand 30	02 Facility, xref
zController 17	1	Area zone 0	Area zone 0	No	None	None	0	No	02 Wiegand 30	02 Facility, xref

- And lastly the only difference between account groups in the event setup is that the counter triggers will be referred to their respective counters for example Softcon's parking will refer to Softcon's counter and Kellogg's parking will refer to Kellogg's counter .

Controller	Port	Area In	Area To	PIN used	Accume	APB	ATB	TG per reader	Card Type	DB mode	ATB
zController 16	1	Area zone 0	Area zone 0	No	None	None	0	No	02 Wiegand 30	02 Facility,	xref
zController 16	2	Area zone 0	Area zone 0	No	None	None	0	No	02 Wiegand 30	02 Facility,	xref
zController 17	1	Area zone 0	Area zone 0	No	None	None	0	No	02 Wiegand 30	02 Facility,	xref

EVENT X

Event Name: 5 Kellogg Parking out

Algorithm: (20+21)*19

PC	Program	Type	System Item	Status	Value	Xref	Alam	Z1	Z2
Resolve	SCS_Client	Reader	Parking out	Entered	-19	-19	0	0	0
Resolve	SCS_Client	Output	CR_1 Latch 2	Level changed	1	0	0	0	0

 Add
  Del

EVENT TRIGGERS

Ref	Reader	System Item	Status	Value	Xref	Alam	Z1	Z2
19	Reader	Parking in	Card enabled	0	0	0	0	0
20	Counter	Kellogg	In Available	0	0	0	0	0
21	Counter	Kellogg	In Maxmum	0	0	0	0	0

 Add
  Del