

Comment

Yes the counters are contact bounce proof
 1-4-19 titen all terms in smart cntrl box
 1-4-19 reset countrs to zero, they read Mstr pb cnt 14, M stop cnt 2, Jing pb cnt 1578, Ex fan cnt 9139,
 Ex fan hrs 197 hrs 11 min, sw ON cnt 11, S tmr cnt 22, East door cnt 1129, Mid east dr cnt 5084,
 M west dr cnt 4091, West dr cnt 1477
 2-14-19 reset cntrs to zero they read Mstr pb cnt 3, Mstop cnt 2, jin pb c 265, Edr cnt 100, mEdr cnt 685,
 mWdr cnt 616, Wdr cnt 206, Ex fan cnt 1308, Ex fan hrs 26hrs 8m, Sw on cnt 1, S tmr cnt 1,
 5-8-20 record counts, Mstrpb 18, Mstoppb 0, Jing pb 2904, E gar dr 2085, Mid E gar dr 7908, Mid W gar dr 6960, W gar dr
 1785, exfan cnt 14356, ex fan hrs 484:24, fn on cnt 14356, fn cr cnt 4, sw on cnt 3, Aes cnt 14357, Sw tmr cnt 14, redwnld,
 reset all to zero include hrs
 5-13-20 redwnld remotely with all counts to zero
 5-21 -20 cnts were Mach strt 1, machstop 0, jingpb 46, eastgardr 29, mideastgardr 129, midwestgardr 99, westgardr 11,
 exfan cnt 202, exfnhrs 5:01, swoncnt 0, swtmrcn 0, fnoncnt 202, fncrcnt 203, aesout 1, meremcnt 159, mwremcnt 123,
 redwld and reset all to zero, yes
 9-13-21 so counts read MStrpbcnt 8, mstopcnt 2, jingpb 1376, exfancnt 5120, exfanhrs 136:41, swoncnt 0, swtmrcnt 11,
 Edr cnt 529, mEdrcnt 2923, mWdr cnt 2519, Wdr cnt 397, fnoncnt 5120, fncrcnt 5125, Aesoutcnt 5, midEremcnt 0,
 midWremcnt 0, got these from upload from station remotely, so compared and found a lot differences so redwnld saved
 lineshop prgrm and reestablished full remote contact, all counts to zero
 2-22-22 type FS-04 verified, redwnlded w/ installed city IP address, saved to card, counts read= Mstrpbct 15, mstopcnt 2,
 Jin pb c 2317, E dr cnt 903, mEdr cnt 5414, mWdr cnt 4671, W dr cnt 846, exfancnt 9548, exfanhrs 222hr 35min, Sw oncnt
 6, Swtmrcnt 22, fnoncnt 9549, fncrcnt 9483, aesoutcn 86, midEremcnt 4633, midWremcnt 3871, all reset to zero,
 4-1-22 bad online test so upload compare. they are the same so redwnld and good online test, counts back to zero

Creator:	JBL / MUNIZ	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22	Installation:	Sta 37	Diagram No.:	
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Module Address

IP Address 10.126.165.85
Subnet Mask: 255.255.255.240
Default gateway 10.126.165.81

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STATION 37 - VAMS and doors

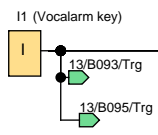
4-1-22 TYPE FS-04 verified=v.8.0=card is in Smart verified

City IP address 10.126.165.85
 subnet 255.255.255.240
 gateway 10.126.165.81

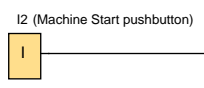
INPUTS

OUTPUTS

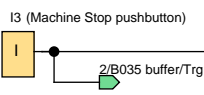
I1-Vocalarm key



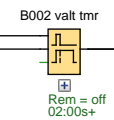
I2-Machine Start Pushbutton



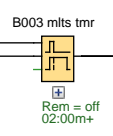
I3-Machine Stop Pushbutton



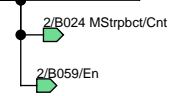
Vocalarm lights timer



Machine Start dorm lights timer



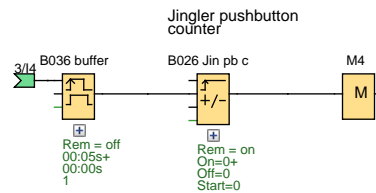
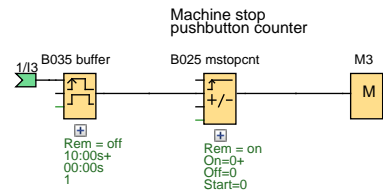
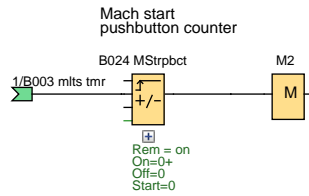
Q1-Drop Light relays, dorm rooms



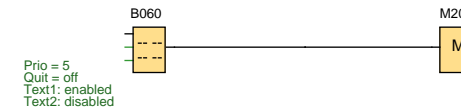
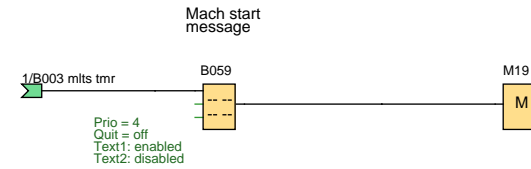
Creator:	JBL / MUNIZ	Project:		Customer:	Denver Fire Dept.
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	Denver Fire Dept. Lineshop				

STATION 37

Pushbutton COUNTING SECTION



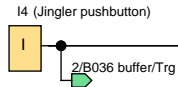
MESSAGE SECTION



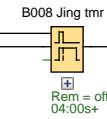
Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:24 AM		File:	STA 37vamsdrs 4-1-22.lsc	Page:	4 / 26

STATION 37 Jingler section, Blue strobe

I4-Jingler Pushbutton



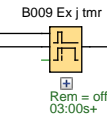
Interior Jingler timer



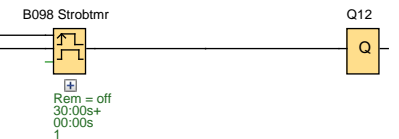
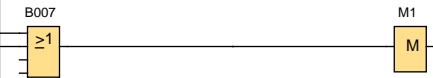
**Q2-Interior
Jinglers**



Exterior Jingler timer



**Exterior Jinglers
(none at Sta 37 yet)**

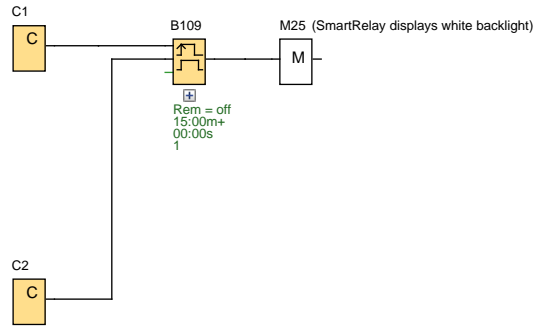


Q12-BLUE STROBE

Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
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STATION 37

Smart display brightener

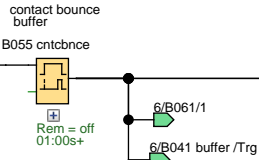


Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
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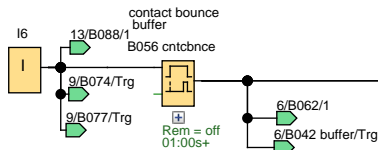
STA 37-Door controls sections, App bay lights

Lot: W104°59'40"+
Lat: N39°39'40"
TZ: -7
Sunrise offset: 20
Sunset offset: -20

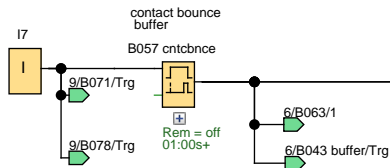
15-East garage
door limit
switch



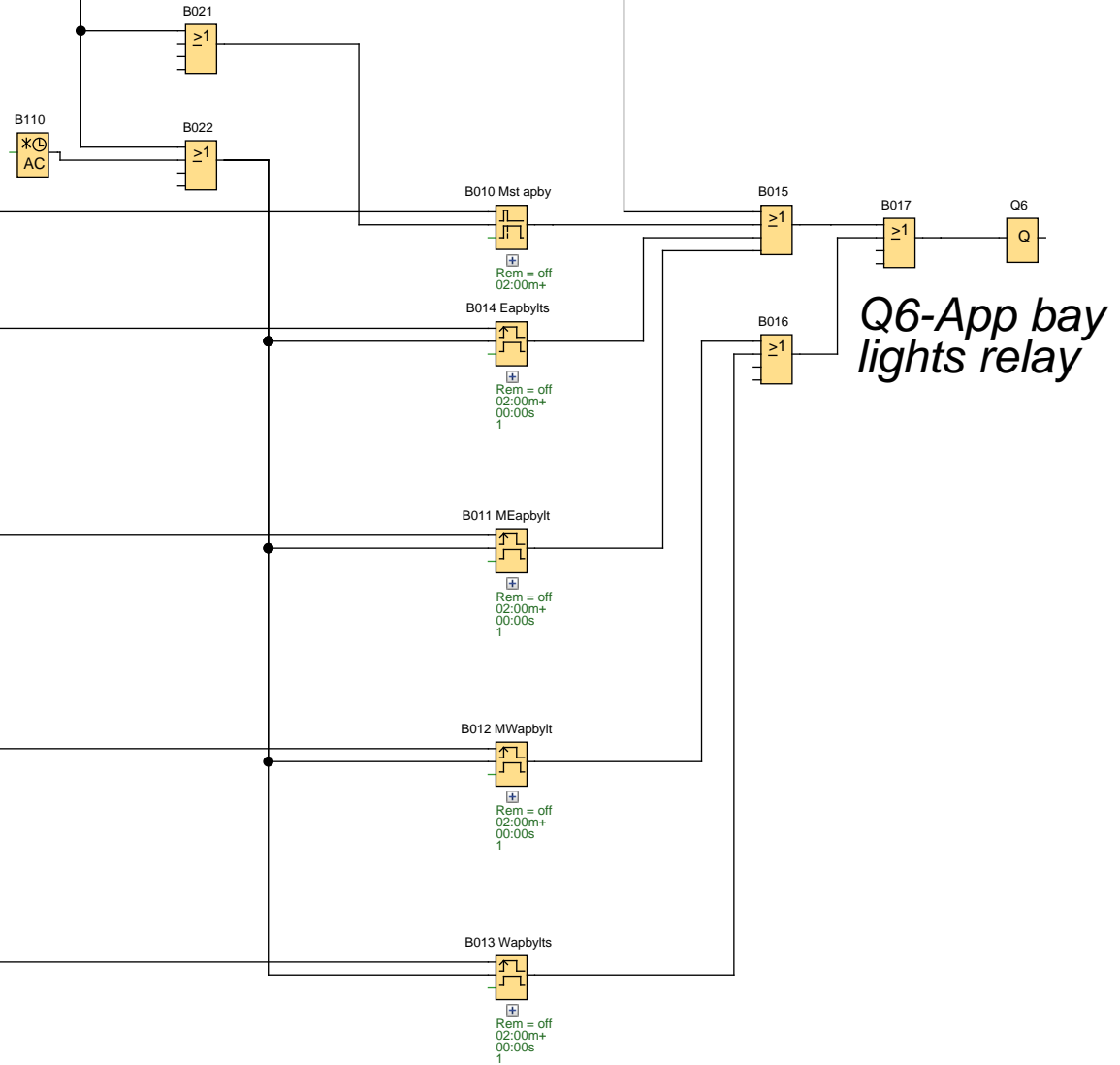
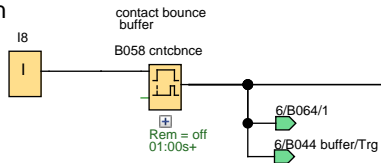
16-Middle east
garage door
limit switch



17-Middle west
garage door
limit switch



18-West garage
door limit
switch



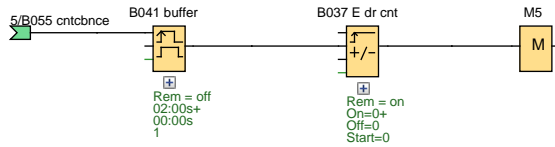
**Q6-App bay
lights relay**

Creator:	JBL / MUNIZ	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22	Installation:	Sta 37	Diagram No.:	
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	Denver Fire Dept. Lineshop				

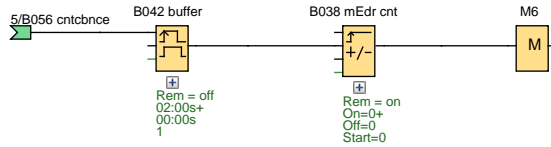
DOORS COUNTING SECTION

STATION 37

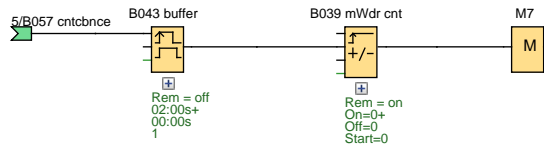
East gar dr



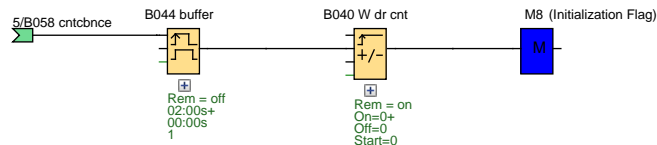
Mid east gar dr



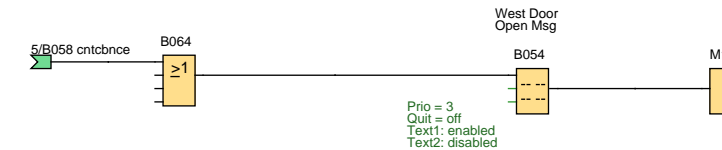
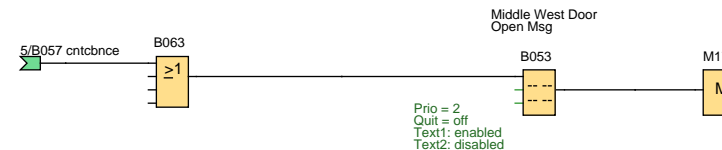
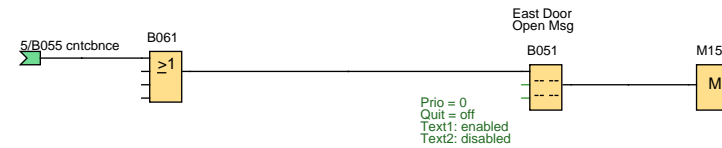
Mid west gar dr



West gar dr



MESSAGE SECTION

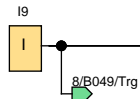


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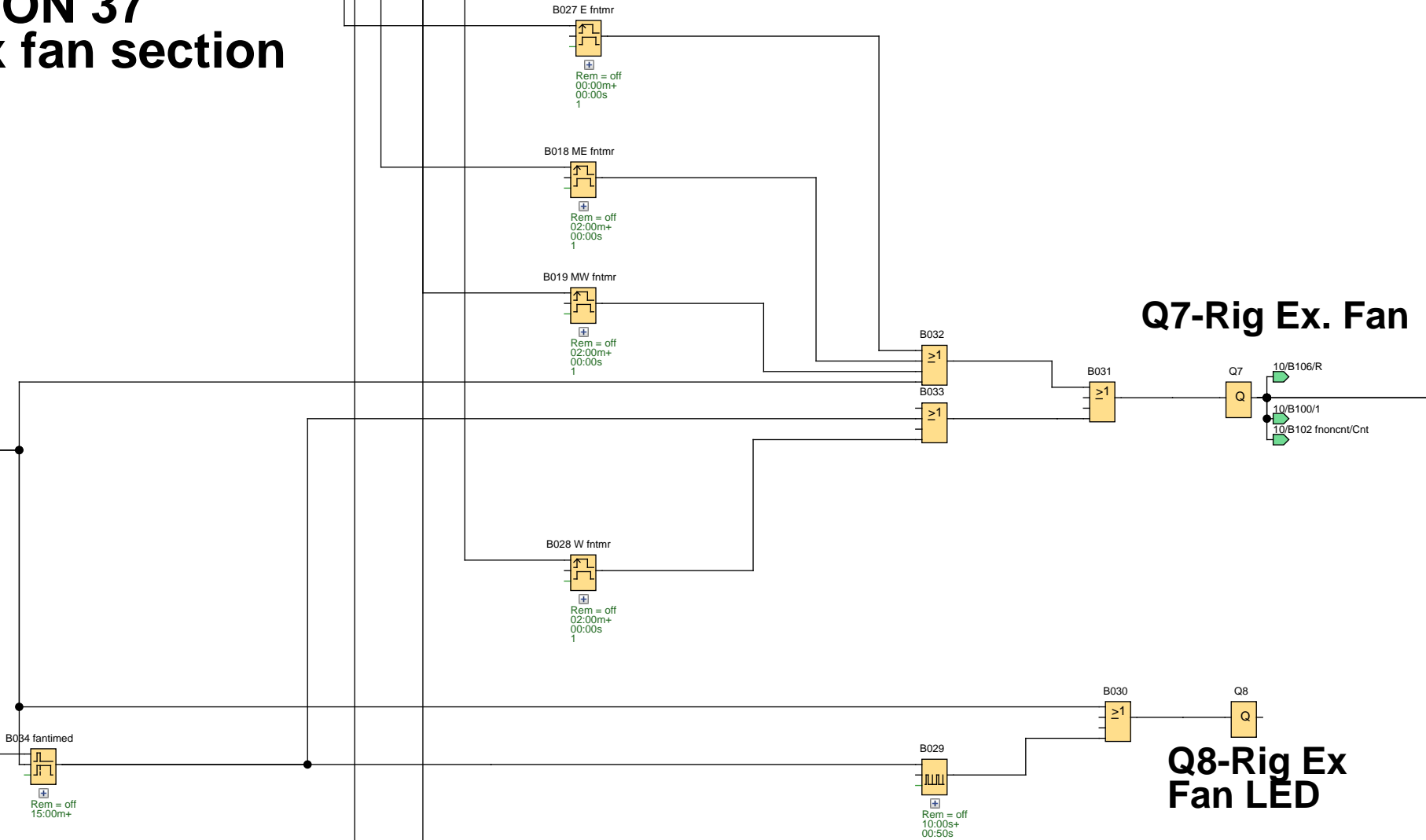
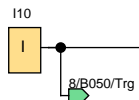
STATION 37

Rig ex fan section

I9-Rig Ex fan
"ON"



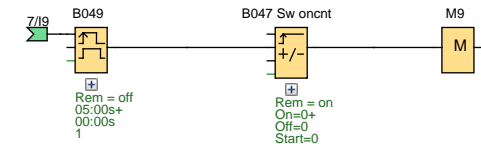
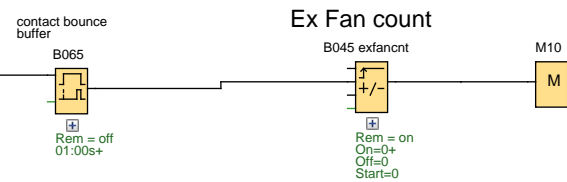
I10-Rig ex fan
"timed off"



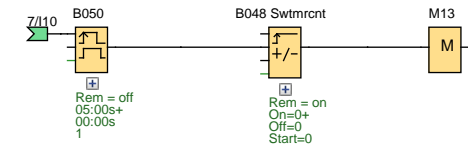
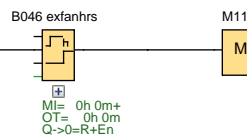
Creator:	JBL / MUNIZ	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22	Installation:	Sta 37	Diagram No.:	
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STATION 37

RIG FAN COUNTING SECTION

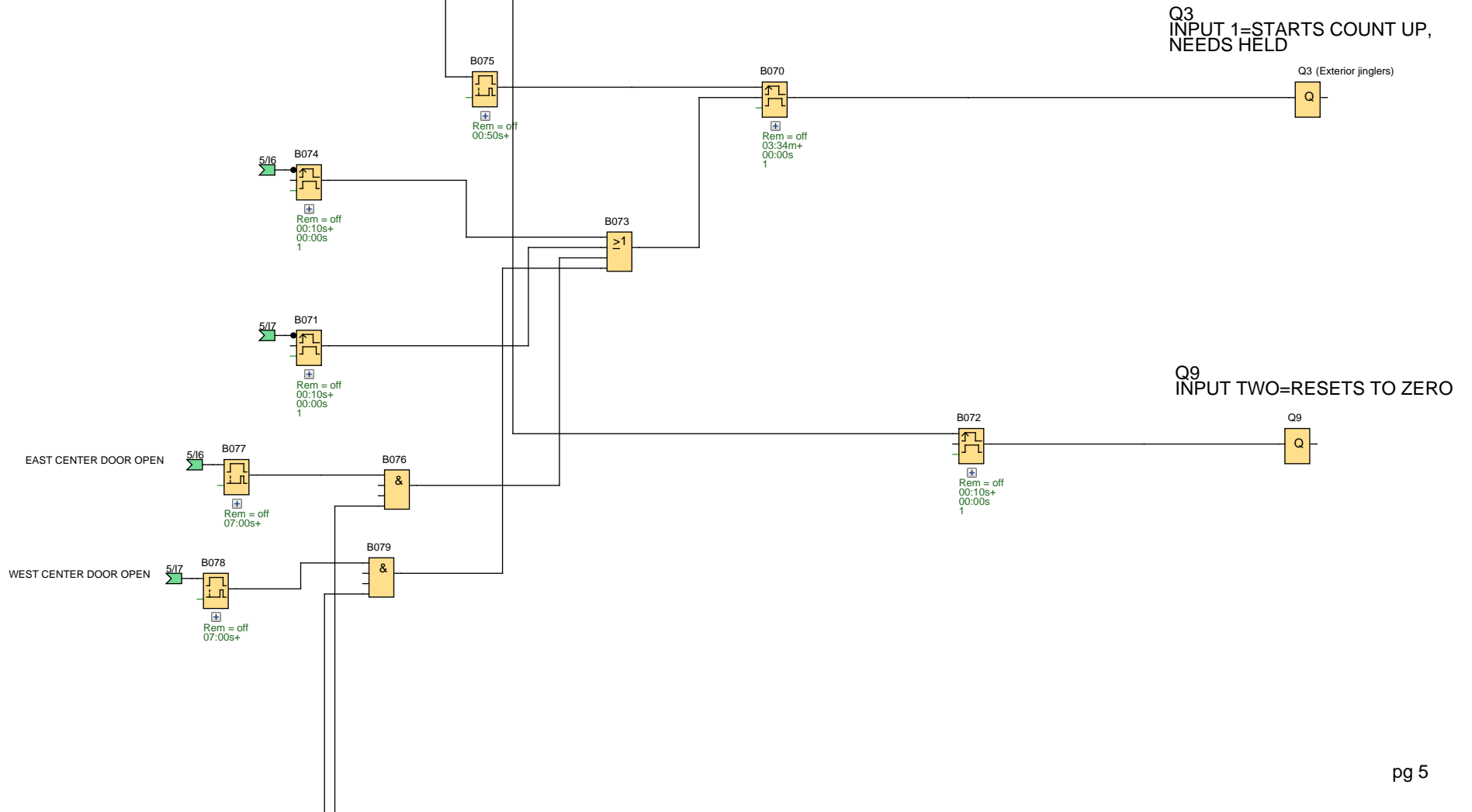


Ex Fan hours "on" time



Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:24 AM		File:	STA 37vamsdrs 4-1-22.lsc	Page:	10 / 26

Sta 37 shot clock

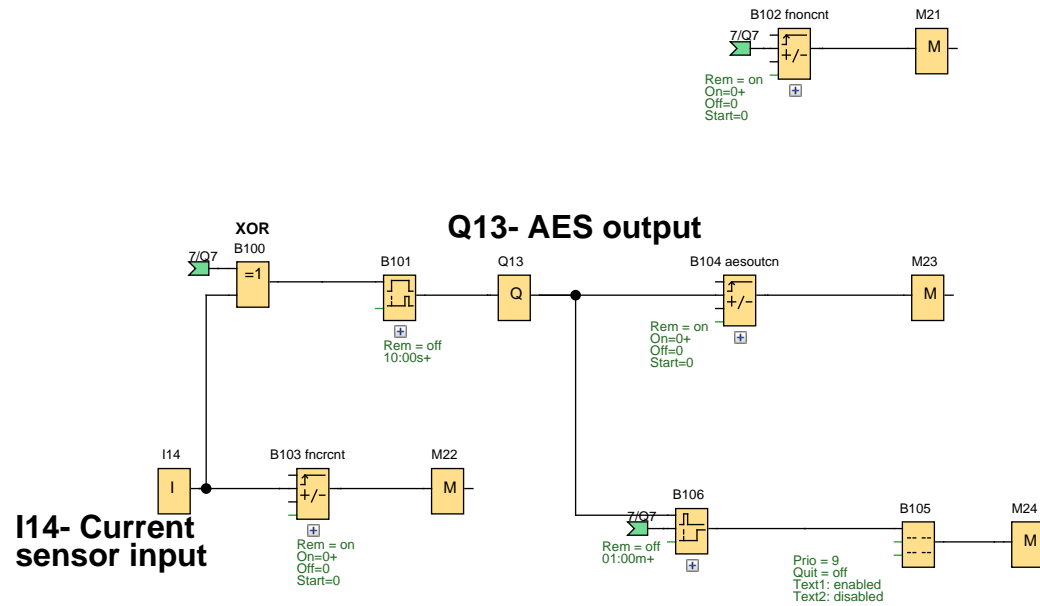


Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
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STATION 37

AES/RIG FAN SECTION
 this tells if "calling for" rig fan
 and rig fan current is
 being produced at the same time

AES COUNTING SECTION



Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
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Sta 37 Door Receiver pulse section

I11-MIDDLE EAST
GARAGE DOOR RECEIVER



TIMER KEEPS ENGINEER
FROM REPEAT PUSH



Rem = off
02:00s+
00:00s
1

TIMER FOR PULSE



Rem = off
00:50s+
00:00s
1

Q4-MIDDLE EAST
DOOR OPENER



I12-MIDDLE WEST
GARAGE DOOR RECEIVER



TIMER KEEPS ENGINEER
FROM REPEAT PUSH



Rem = off
02:00s+
00:00s
1

TIMER FOR PULSE



Rem = off
00:50s+
00:00s
1

Q5-MIDDLE WEST
DOOR OPENER



RUN INDICATOR:
LIGHT WHEN PROGRAM
IN RUN LIGHT ON



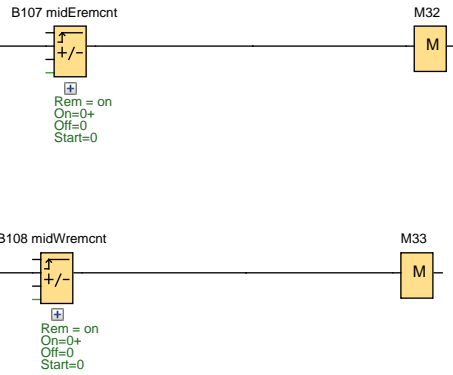
Q10- Orange
LED light



Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:24 AM		File:	STA 37vamsdrs 4-1-22.lsc	Page:	13 / 26

STATION 37

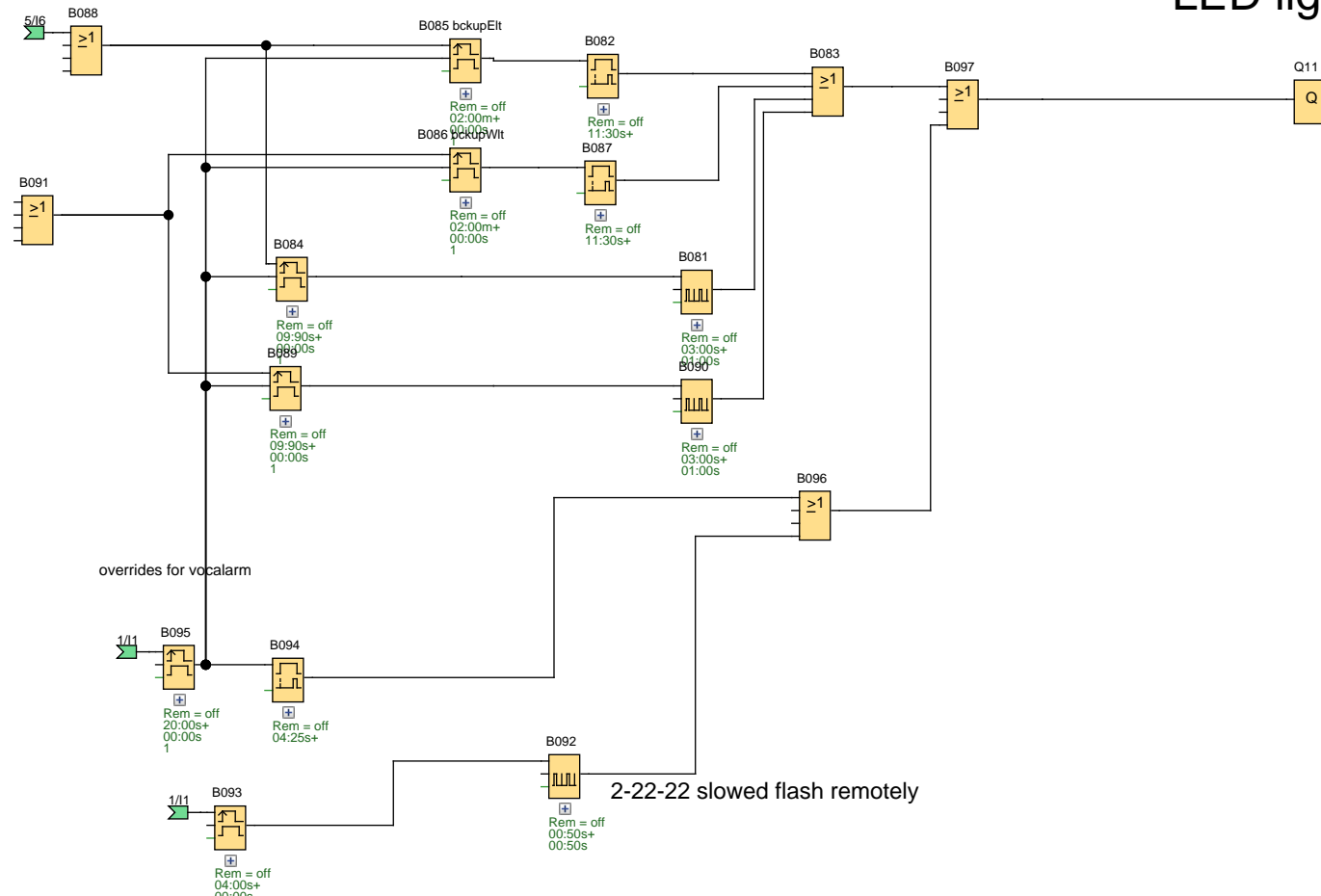
Door remote COUNTING SECTION



Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:24 AM		File:	STA 37vamsdrs 4-1-22.lsc	Page:	14 / 26

STA 37 LED BACKING LIGHTS

Q11-Back up
LED lights



Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:24 AM		File:	STA 37vamsdrs 4-1-22.lsc	Page:	15 / 26

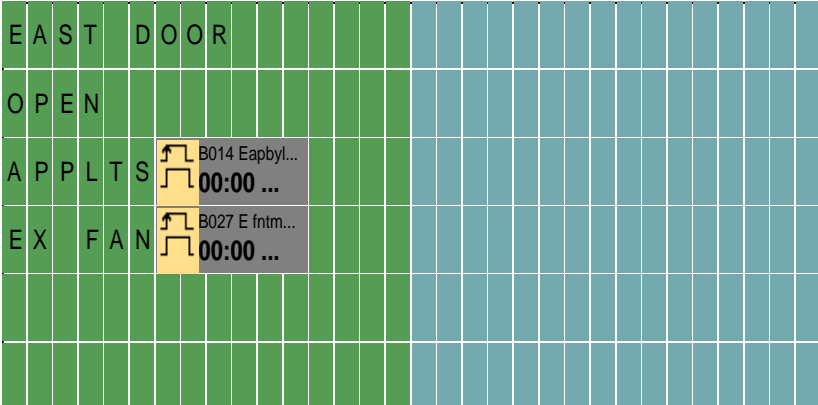
Creator:	JBL / MUNIZ	Denver Fire Dept. Lineshop	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22		Installation:	Sta 37	Diagram No.:	
Date:	5/11/15 7:07 AM/6/10/22 9:24 AM		File:	STA 37vamsdrs 4-1-22.lsc	Page:	16 / 26

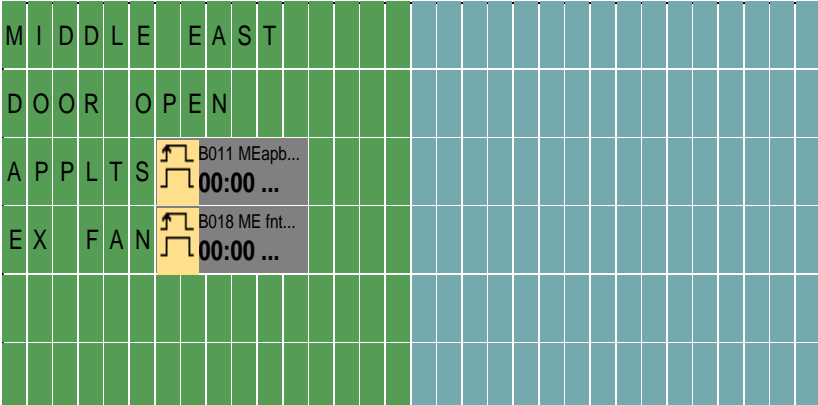
Block Number (Type)	Parameter
B002 valt tmr(Off-delay) : Vocalarm lights timer	Rem = off 02:00s+
B003 mlts tmr(Off-delay) : Machine Start dorm lights timer	Rem = off 02:00m+
B008 Jing tmr(Off-delay) : Interior Jingler timer	Rem = off 04:00s+
B009 Ex j tmr(Off-delay) : Exterior Jingler timer	Rem = off 03:00s+
B010 Mst apby(Off-delay) :	Rem = off 02:00m+
B011 MEapbylt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B012 MWapbylt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B013 Wapbylts(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B014 Eapbylts(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B018 ME fntmr(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B019 MW fntmr(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B024 MStrpbct(Up/Down counter) : Mach start pushbutton counter	Rem = on On=0+ Off=0 Start=0
B025 mstopcnt(Up/Down counter) : Machine stop pushbutton counter	Rem = on On=0+ Off=0 Start=0
B026 Jin pb c(Up/Down counter) : Jingler pushbutton counter	Rem = on On=0+ Off=0 Start=0
B027 E fntmr (Edge-triggered interval time-delay relay) :	Rem = off 00:00m+ 00:00s 1
B028 W fntmr (Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B029(Asynchronous pulse generator) :	Rem = off 10:00s+ 00:50s
B034 fantimed(Off-delay) :	Rem = off 15:00m+
B035 buffer(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B036 buffer(Edge-triggered interval time-delay relay) :	Rem = off 00:05s+ 00:00s 1

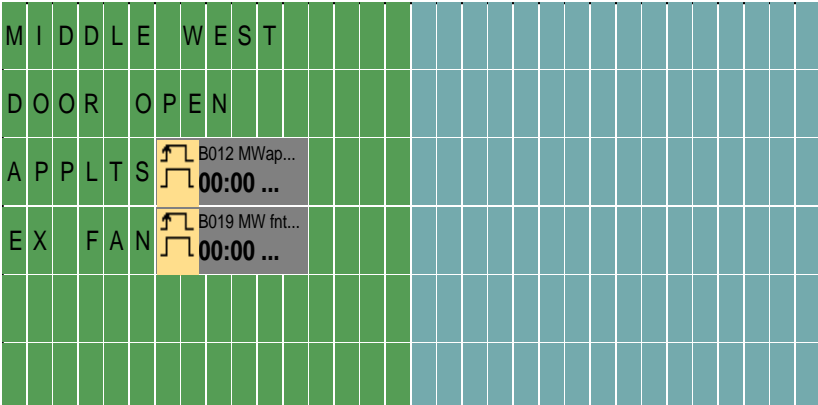
Creator:	JBL / MUNIZ	Project:		Customer:	Denver Fire Dept.
Checked:	4-1-22	Installation:	Sta 37	Diagram No.:	
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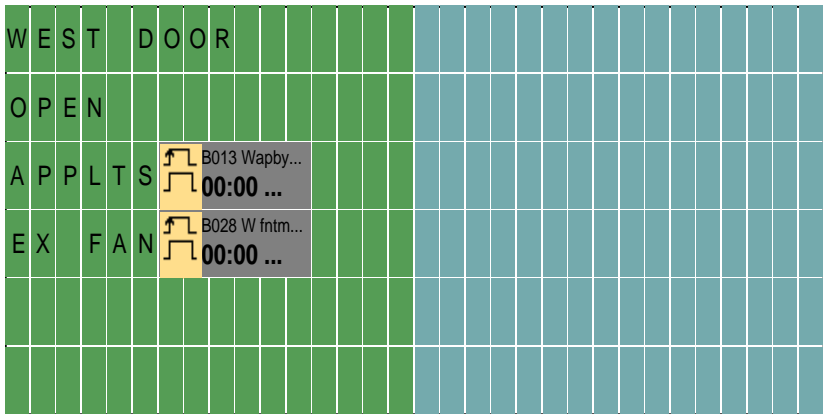
Block Number (Type)	Parameter
B037 E dr cnt(Up/Down counter) : East gar dr	Rem = on On=0+ Off=0 Start=0
B038 mE dr cnt(Up/Down counter) : Mid east gar dr	Rem = on On=0+ Off=0 Start=0
B039 mW dr cnt(Up/Down counter) : Mid west gar dr	Rem = on On=0+ Off=0 Start=0
B040 W dr cnt(Up/Down counter) : West gar dr	Rem = on On=0+ Off=0 Start=0
B041 buffer (Edge-triggered interval time-delay relay) :	Rem = off 02:00s+ 00:00s 1
B042 buffer(Edge-triggered interval time-delay relay) :	Rem = off 02:00s+ 00:00s 1
B043 buffer(Edge-triggered interval time-delay relay) :	Rem = off 02:00s+ 00:00s 1
B044 buffer(Edge-triggered interval time-delay relay) :	Rem = off 02:00s+ 00:00s 1
B045 exfan cnt(Up/Down counter) : Ex Fan count	Rem = on On=0+ Off=0 Start=0
B046 exfan hrs(Operating hours counter) : Ex Fan hours "on" time	MI= 0h 0m+ OT= 0h 0m Q->0=R+En
B047 Sw on cnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B048 Sw tmrcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B049(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1
B050(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1

Creator:	JBL / MUNIZ	Denver Fire Dept. Linesho	Project:		Customer:	Denver Fire Dept.
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Date:	5/11/15 7:07 AM/6/10/22 9:24 AM	Denver Fire Dept. Linesho	File:	STA 37vamsdrs 4-1-22.lsc	Page:	18 / 26

Block Number (Type)	Parameter
<p>B051(Message texts) : East Door Open Msg</p>  <p>Line3.7 B014 Eapbylts-THRest Line4.7 B027 E fhtrnr -THRest</p>	<p>Prio = 0 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>

<p>B052(Message texts) : Middle East Door Open Msg</p>  <p>Line3.7 B011 MEapbylt-THRest Line4.7 B018 ME fhtrnr-THRest</p>	<p>Prio = 1 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>
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<p>B053(Message texts) : Middle West Door Open Msg</p>  <p>Line3.7 B012 MWapbylt-THRest Line4.7 B019 MW fhtrnr-THRest</p>	<p>Prio = 2 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>
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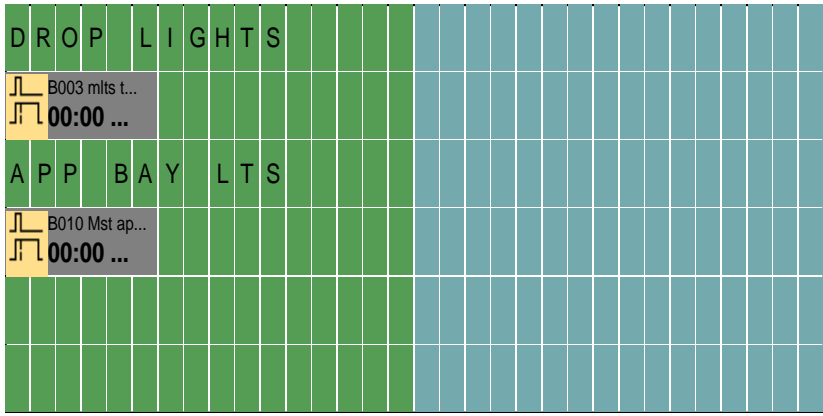
Block Number (Type)	Parameter
<p>B054(Message texts) : West Door Open Msg</p>  <p>Line3.7 B013 Wapbylts-THRest Line4.7 B028 W fntmr-THRest</p>	<p>Prio = 3 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>

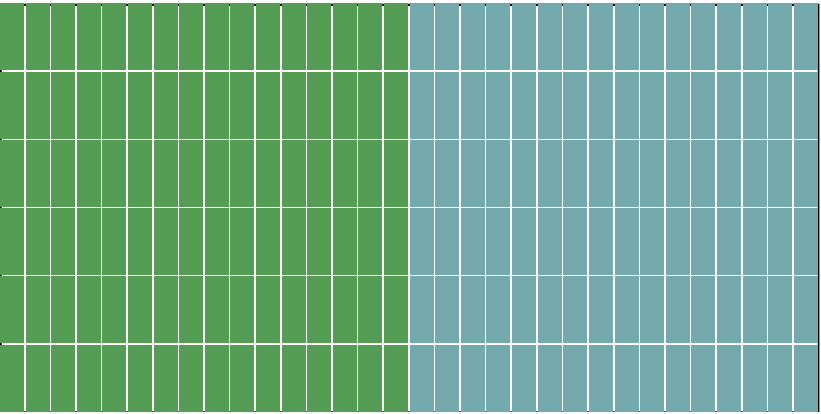
B055 cntcbnce(On-delay) : contact bounce buffer	Rem = off 01:00s+
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B056 cntcbnce(On-delay) : contact bounce buffer	Rem = off 01:00s+
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B057 cntcbnce(On-delay) : contact bounce buffer	Rem = off 01:00s+
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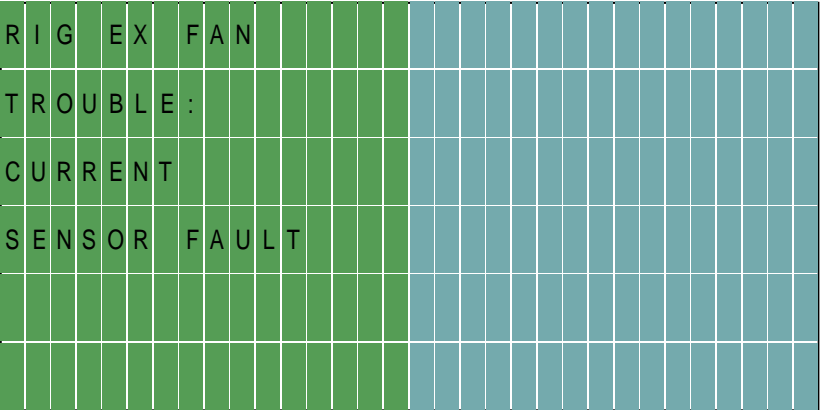
B058 cntcbnce(On-delay) : contact bounce buffer	Rem = off 01:00s+
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<p>B059(Message texts) : Mach start message</p>  <p>Line2.1 B003 mlts tmr-TRest Line4.1 B010 Mst apby-TRest</p>	<p>Prio = 4 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N</p> <p>Message Destination - Both</p>
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Block Number (Type)	Parameter
B060(Message texts) : 	Prio = 5 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
B065(On-delay) : contact bounce buffer	Rem = off 01:00s+
B066(Edge-triggered interval time-delay relay) : TIMER FOR PULSE	Rem = off 00:50s+ 00:00s 1
B067(Edge-triggered interval time-delay relay) : TIMER FOR PULSE	Rem = off 00:50s+ 00:00s 1
B068(Edge-triggered interval time-delay relay) : TIMER KEEPS ENGINEER FROM REPEAT PUSH	Rem = off 02:00s+ 00:00s 1
B069(Edge-triggered interval time-delay relay) : TIMER KEEPS ENGINEER FROM REPEAT PUSH	Rem = off 02:00s+ 00:00s 1
B070(Edge-triggered interval time-delay relay) :	Rem = off 03:34m+ 00:00s 1
B071(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1
B072(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1
B074(Edge-triggered interval time-delay relay) :	Rem = off 00:10s+ 00:00s 1
B075(On-delay) :	Rem = off 00:50s+
B077(On-delay) :	Rem = off 07:00s+
B078(On-delay) :	Rem = off 07:00s+
B081(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B082(On-delay) :	Rem = off 11:30s+

Block Number (Type)	Parameter
B084(Edge-triggered interval time-delay relay) :	Rem = off 09:90s+ 00:00s 1
B085 bckupElt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B086 bckupWlt(Edge-triggered interval time-delay relay) :	Rem = off 02:00m+ 00:00s 1
B087(On-delay) :	Rem = off 11:30s+
B089(Edge-triggered interval time-delay relay) :	Rem = off 09:90s+ 00:00s 1
B090(Asynchronous pulse generator) :	Rem = off 03:00s+ 01:00s
B092(Asynchronous pulse generator) :	Rem = off 00:50s+ 00:50s
B093(Edge-triggered interval time-delay relay) :	Rem = off 04:00s+ 00:00s 1
B094(On-delay) :	Rem = off 04:25s+
B095(Edge-triggered interval time-delay relay) :	Rem = off 20:00s+ 00:00s 1
B098 Strobtmr(Edge-triggered interval time-delay relay) :	Rem = off 30:00s+ 00:00s 1
B101(On-delay) :	Rem = off 10:00s+
B102 fnoncnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B103 fncrcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0
B104 aesoutcn(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0

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Block Number (Type)	Parameter																		
B105(Message texts) : 	Prio = 9 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both																		
B106(Retentive on-delay) :	Rem = off 01:00m+																		
B107 midEremcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0																		
B108 midWremcnt(Up/Down counter) :	Rem = on On=0+ Off=0 Start=0																		
B109(Edge-triggered interval time-delay relay) :	Rem = off 15:00m+ 00:00s 1																		
B110(Astronomical clock) :	Lot: W104°59'40"+ Lat: N39°39'40" TZ: -7 Sunrise offset: 20 Sunset offset: -20																		
I1(Input) : I1-Vocalarm key																			
I2(Input) : I2-Machine Start Pushbutton																			
I3(Input) : I3-Machine Stop Pushbutton																			
I4(Input) : I4-Jingler Pushbutton																			
I5(Input) : I5-East garage door limit switch																			
I6(Input) : I6-Middle east garage door limit Switch																			
I7(Input) : I7-Middle west garage door limit Switch																			
I8(Input) : I8-West garage door limit switch																			
I9(Input) : I9-Rig Ex fan "ON"																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">Creator:</td> <td style="width:25%;">JBL / MUNIZ</td> <td style="width:25%;">Project:</td> <td style="width:35%;"></td> </tr> <tr> <td>Checked:</td> <td>4-1-22</td> <td>Installation:</td> <td>Sta 37</td> </tr> <tr> <td>Date:</td> <td>5/11/15 7:07 AM/6/10/22 9:24 AM</td> <td>File:</td> <td>STA 37vamsdrs 4-1-22.lsc</td> </tr> </table>	Creator:	JBL / MUNIZ	Project:		Checked:	4-1-22	Installation:	Sta 37	Date:	5/11/15 7:07 AM/6/10/22 9:24 AM	File:	STA 37vamsdrs 4-1-22.lsc	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:35%;">Customer:</td> <td style="width:65%;">Denver Fire Dept.</td> </tr> <tr> <td>Diagram No.:</td> <td></td> </tr> <tr> <td>Page:</td> <td>23 / 26</td> </tr> </table>	Customer:	Denver Fire Dept.	Diagram No.:		Page:	23 / 26
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Block Number (Type)	Parameter
I10(Input) : I10-Rig ex fan "timed off"	
I11(Input) : I11-MIDDLE EAST GARAGE DOOR RECEIVER	
I12(Input) : I12-MIDDLE WEST GARAGE DOOR RECEIVER	
I14(Input) : I14- Current sensor input	
Q1(Output) : Q1-Drop Light relays, dorm rooms	
Q2(Output) : Q2-Interior Jinglers	
Q3(Output) : Q3 INPUT 1=STARTS COUNT UP, NEEDS HELD	
Q4(Output) : Q4-MIDDLE EAST DOOR OPENER	
Q5(Output) : Q5-MIDDLE WEST DOOR OPENER	
Q6(Output) : Q6-App bay lights relay	
Q7(Output) : Q7-Rig Ex. Fan	
Q8(Output) : Q8-Rig Ex Fan LED	
Q9(Output) : Q9 INPUT TWO=RESETS TO ZERO	
Q10(Output) : Q10- Orange LED light	
Q11(Output) : Q11-Back up LED lights	
Q12(Output) : Q12-BLUE STROBE	
Q13(Output) : Q13- AES output	

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Connection	Label
C1	
C2	
I1	Vocalarm key
I2	Machine Start pushbutton
I3	Machine Stop pushbutton
I4	Jingler pushbutton
I5	
I6	
I7	
I8	
I9	
I10	
I11	
I12	
I13	
I14	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M8	Initialization Flag
M9	
M10	
M11	
M13	
M15	

Connection	Label
M16	
M17	
M18	
M19	
M20	
M21	
M22	
M23	
M24	
M25	SmartRelay displays white backlight
M32	
M33	
Q1	Drop Light relays
Q2	Interior jinglers
Q3	Exterior jinglers
Q4	
Q5	
Q6	
Q7	
Q8	
Q9	
Q10	
Q11	
Q12	
Q13	

