

Comment

dwnlded 1-22-20 because 30 minutes way too long for an express, went to 10 min still a bit long but,messed up alot of counters etc, DRAIN VALVE NOT NEEDED EXCEPT END OF DAY
5-8-20 some mesages a bit off so redo, no prgm adjustment though at all, redwnld?when??
11-10-20 counts read, expbcnt 241, 2hrpshcnt 24, stppshcnt 148, expainswc 30, stpainswc 20, oilchnghr, 19 hr 29min OT redwnld prgm and all counts to zero, comp oil was changed today, yes done, so the comp moto actually ran for only 19hrs 29 min since last dwnld,?? OIL WAS CHNGD YES
11-11-20 tweaked prgm, re dwn ld
1-14-21 cntrs read, oilchngh, OT1h 35m, MN498h25m, MN Ext499.....expbtncn Cnt45.....2hrpshcn 0000..... stppshcn 0 0 34 0.....expainswc 0 0 1 0.....stpainswc 0 0 0 0.....ALL RESET TO ZERO except hours
1-14-21 tweaked prgm, redwnload
9-14-21 counts read expbtncn 238, 2hrpshcn 9, expainswcntnr 12, stppshcn 130, stpainswcntnr 11, failed to get motor hours, twkd prgm, redwnld, all counts to zero INCLUDING HOURS
1-20-22 tweaked program to get drain turn on at 4 ish pm, counters read, oilchngh-2h 20m, b044 3073h36m, expbtncn-76, expainswcntnr-2, 2hrpshcn-7, stppshcn-48, stpainswcntnr-0, expbtncn or blast cntnr 46, all counts to zero
1-20-22 chnged comp oil, ckd air filter/blew out

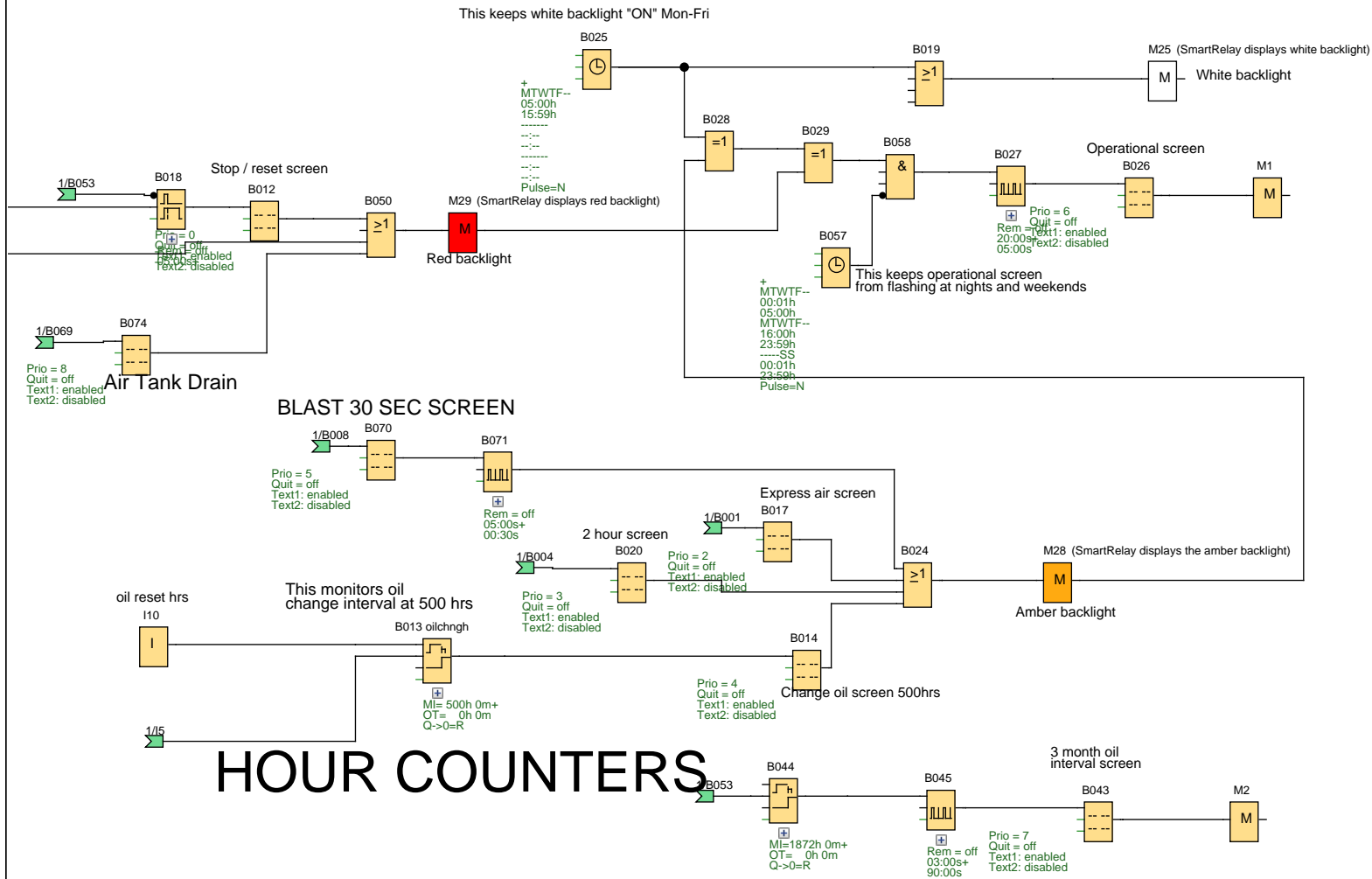
Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP	Page:	1 / 16

Module Address

IP Address 192.168.20.49
Subnet Mask: 255.255.0.0
Default gateway

Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better function	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP 1-20-22.lsc	Page:	2 / 16

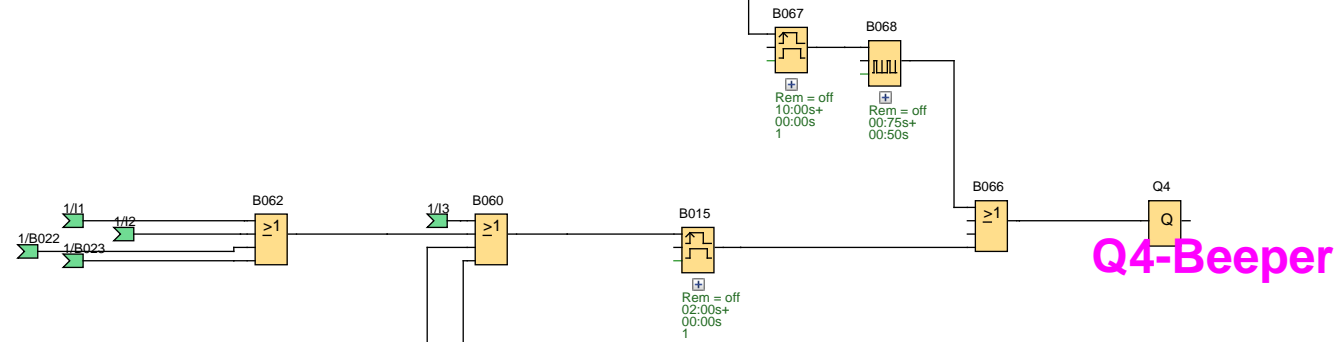
Compressor messages



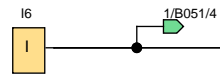
Creator:	JBL	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22	Installation:	Air compressor rework to better function	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM	File:	COMPRESSOR LINESHOP 1-20-22.lsc	Page:	4 / 16
	Denver Fire Lineshop				

Pulse=N

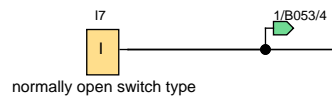
to avoid ear blasts with daily drain valve, this beeps a 10 second warning



16- express switch on paint booth



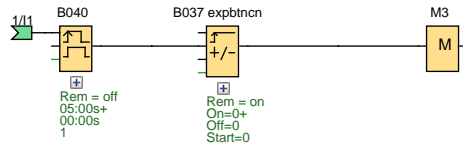
17- stop switch on paint booth



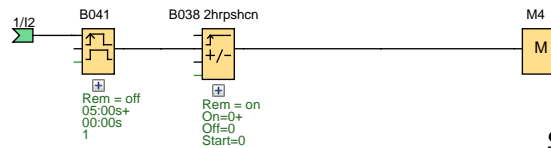
Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better function	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP 1-20-22.lsc	Page:	5 / 16

COUNTERS

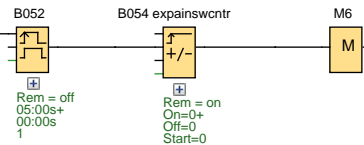
10 MIN Express pushbutton
on Smart box - counter



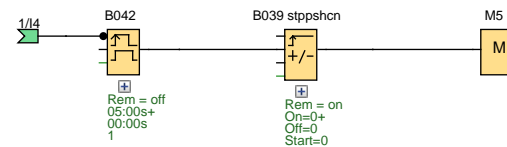
2 hour
pushbutton on Smart box
- counter



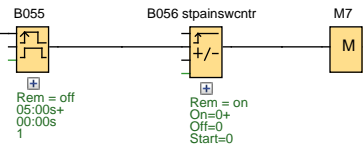
10 MIN express switch
on paint booth - counter



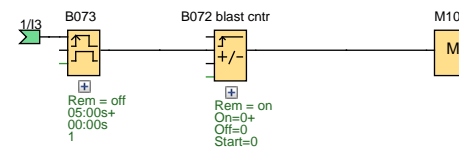
Stop / reset
on Smart box - counter



stop switch
on paint booth - counter



30 SEC BLAST pushbutton
on Smart box - counter



Creator:	JBL	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22	Installation:	Air compressor rework to better function	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM	File:	COMPRESSOR LINESHOP 1-20-22.lsc	Page:	6 / 16

NOTES:

If compressor motor comes "ON" right away, then should air supply is held closed till current sensor is off?? ?? not used ?

500 HOUR OIL INTERVAL OR 3 MONTHS. At least Chng oil yearly.

10-4-19 chngd oil yes done. 11-10-20 Oil chng done yes.

friday night was at 138 psi at 3:30pm ,, mon morn arnd 128

when pressure goes all the way up to 175 then drain valve pulses it dwn to 159, at 128 psi it kicks in and fires compressor,

Pulling 10-11 amps aprox each leg 3 phase 10-7-19

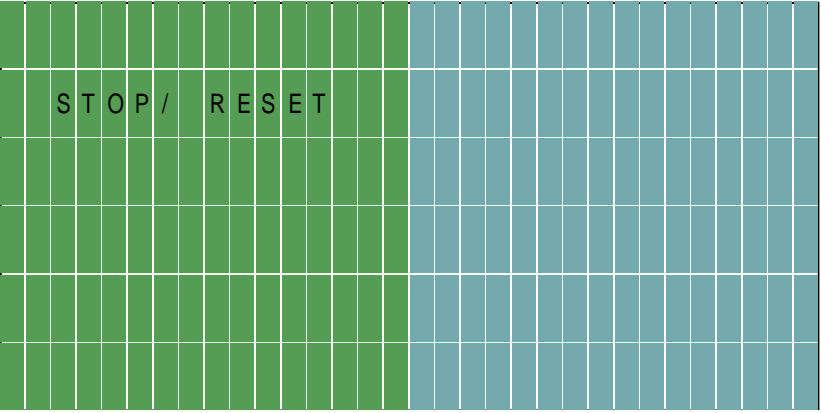
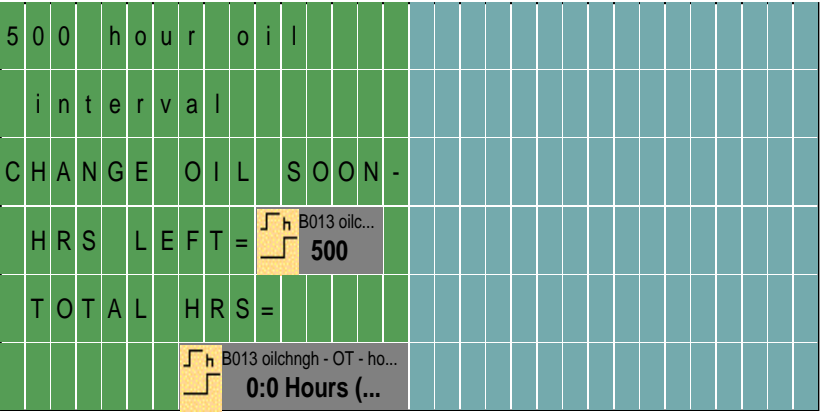
So try to auto drain daily just past final quitting time, 4pm ish.

Oil was chngd 1-20-22 yes done

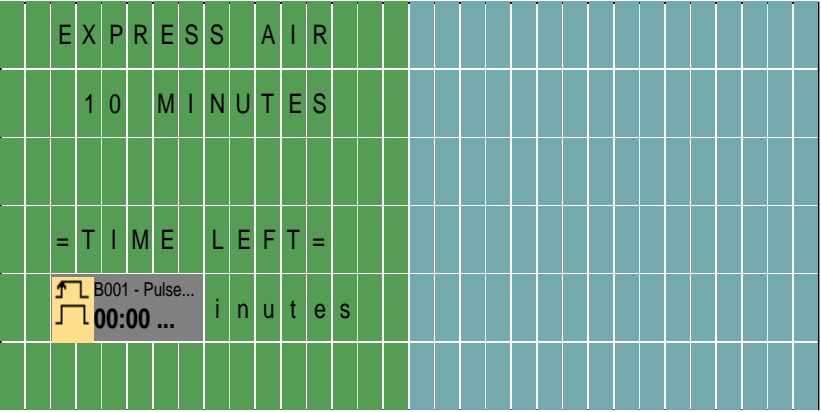
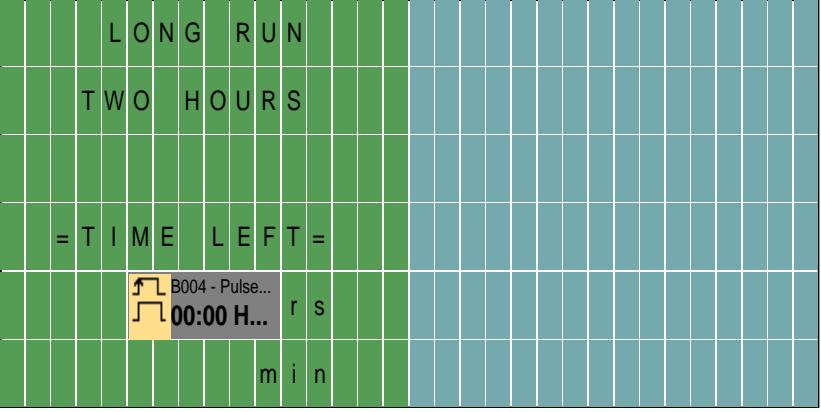
Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better function	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP 1-20-22.lsc	Page:	7 / 16

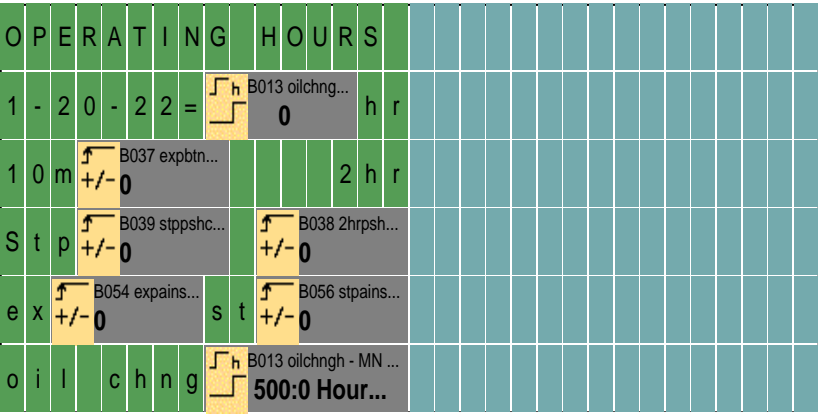


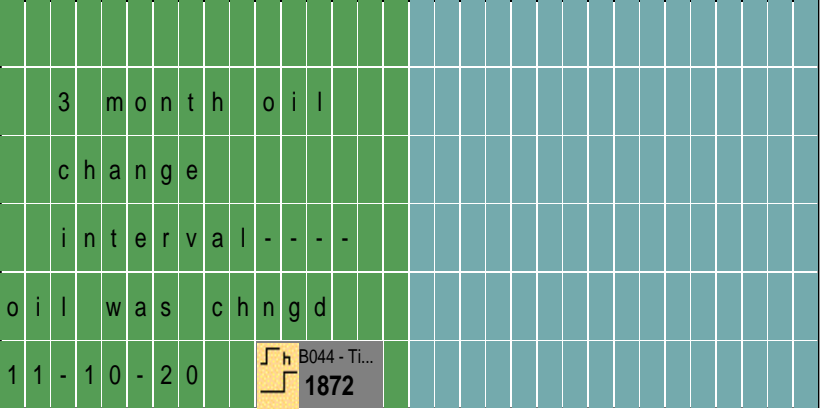
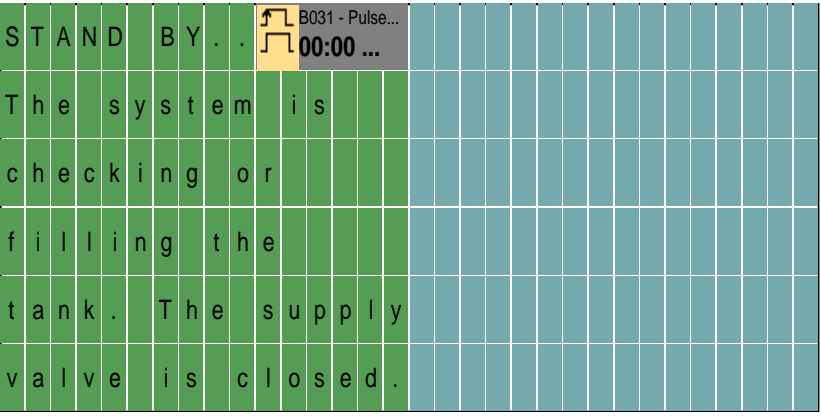
Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better function	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP 1-20-22.lsc	Page:	8 / 16

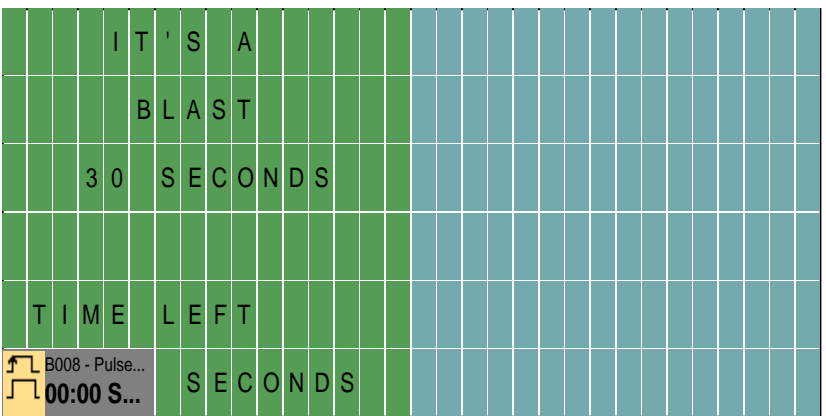
Block Number (Type)	Parameter
B001(Edge-triggered interval time-delay relay) :	Rem = off 10:00m+ 00:00s 1
B004(Edge-triggered interval time-delay relay) :	Rem = off 02:00h+ 00:00s 1
B006(On-delay) :	Rem = off 00:00s+
B007(On-delay) :	Rem = off 02:00s+
B008(Edge-triggered interval time-delay relay) :	Rem = off 30:00s+ 00:00s 1
<p>B012(Message texts) : Stop / reset screen</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>B013 oilchngh(Operating hours counter) : This monitors oil change interval at 500 hrs</p>	<p>MI= 500h 0m+ OT= 0h 0m Q->0=R</p>
<p>B014(Message texts) : Change oil screen 500hrs</p>  <p>Line4.11 B013 oilchngh-MN Line6.8 B013 oilchngh-OT_h:m</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>
B015(Edge-triggered interval time-delay relay) :	Rem = off 02:00s+ 00:00s 1

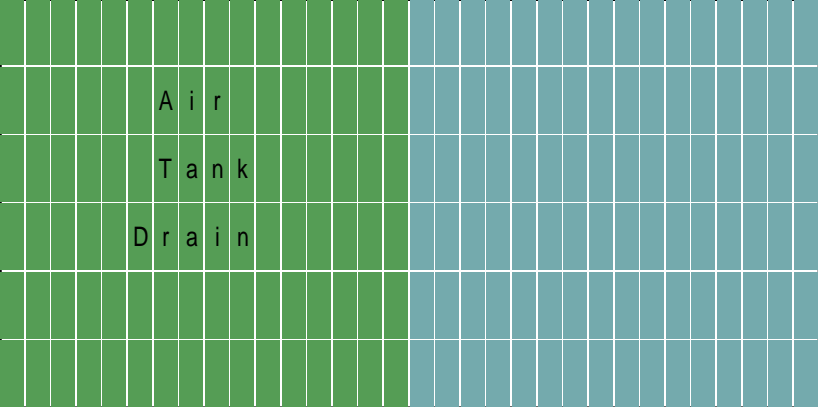
Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP	Page:	9 / 16

Block Number (Type)	Parameter					
<p>B017(Message texts) : Express air screen</p>  <p>Line5.3 B001-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 Message Destination - Both</p>					
<p>B018(Off-delay) :</p>	<p>Rem = off 05:00s+</p>					
<p>B020(Message texts) : 2 hour screen</p>  <p>Line5.6 B004-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 Message Destination - Both</p>					
<p>B022(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 03:00s+ 00:00s 1</p>					
<p>B023(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 03:00s+ 00:00s 1</p>					
<p>B025(Seven-day time switch) : This keeps white backlight "ON" Mon-Fri</p>	<p>+ MTWTF-- 05:00h 15:59h ----- -:- -:- ----- -:- -:- ----- Pulse=N</p>					
Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP	Page:	10 / 16

Block Number (Type)	Parameter
<p>B026(Message texts) : Operational screen</p>  <p>Line2.9 B013 oilchngh-OT Line3.4 B037 expbtn-cn-Cnt Line3.12 Line3.13 Line4.4 B039 stopshcn-Cnt Line4.11 B038 2hrpshcn-Cnt Line5.3 B054 expainswcntr-Cnt Line5.11 B056 stpainswcntr-Cnt Line6.9 B013 oilchngh-MN_h:m</p>	<p>Prio = 6 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>B027(Asynchronous pulse generator) :</p>	<p>Rem = off 20:00s+ 05:00s</p>
<p>B030(Seven-day time switch) :</p>	<p>+ MTWTF-- 05:55h 06:07h MTWTF-- 12:30h 12:42h ----- -:- -:- Pulse=N</p>
<p>B031(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 12:00m+ 00:00s 1</p>
<p>B032(Seven-day time switch) : This is an automatic daily drain</p>	<p>+ MTWTF-- 16:00h 16:01h -----S- 17:00h 17:01h ----- -:- -:- Pulse=N</p>
<p>B033(Off-delay) :</p>	<p>Rem = off 30:00m+</p>
<p>B034(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 01:00s+ 00:00s 1</p>
<p>B035(Edge-triggered interval time-delay relay) :</p>	<p>Rem = off 12:00h+ 00:00s 1</p>
<p>B037 expbtncn(Up/Down counter) : 10 MIN Express pushbutton on Smart box - counter</p>	<p>Rem = on On=0+ Off=0 Start=0</p>
<p>B038 2hrpshcn(Up/Down counter) : 2 hour pushbutton on Smart box - counter</p>	<p>Rem = on On=0+ Off=0 Start=0</p>

Block Number (Type)	Parameter					
B039 stopshcn(Up/Down counter) : Stop / reset on Smart box - counter	Rem = on On=0+ Off=0 Start=0					
B040(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1					
B041(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1					
B042(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1					
<p>B043(Message texts) : 3 month oil interval screen</p>  <p>Line6.11 B044-MN</p>	<p>Prio = 7 Quit = off Text1: enabled Text2: disabled</p> <p>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both</p>					
B044(Operating hours counter) :	MI=1872h 0m+ OT= 0h 0m Q->0=R					
B045(Asynchronous pulse generator) :	Rem = off 03:00s+ 90:00s					
B048(On-delay) :	Rem = off 08:00s+					
<p>B049(Message texts) : Stand-by tank check/fill screen</p>  <p>Line1.11 B031-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 Message Destination - Both</p>					
Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP	Page:	12 / 16

Block Number (Type)	Parameter
B052(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1
B054 expainswcnt(Up/Down counter) : 10 MIN express switch on paint booth - counter	Rem = on On=0+ Off=0 Start=0
B055(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1
B056 stpainswcnt(Up/Down counter) : stop switch on paint booth - counter	Rem = on On=0+ Off=0 Start=0
B057(Seven-day time switch) : This keeps operational screen from flashing at nights and weekends	+ MTWTF-- 00:01h 05:00h MTWTF-- 16:00h 23:59h ----SS 00:01h 23:59h Pulse=N
B059(On-delay) :	Rem = off 10:00s+
B061(On-delay) :	Rem = off 01:00s+
B063(On-/Off-delay) :	Rem = off 03:00s+ 00:50s
B064(Off-delay) :	Rem = off 05:00m+
B065(On-/Off-delay) :	Rem = off 03:00s+ 00:50s
B067(Edge-triggered interval time-delay relay) :	Rem = off 10:00s+ 00:00s 1
B068(Asynchronous pulse generator) :	Rem = off 00:75s+ 00:50s
B069(On-delay) : hold Stop/reset button for 5 seconds and this will activate manual tank drain, hold in to keep draining air from tank	Rem = off 05:00s+
<p>B070(Message texts) : BLAST 30 SEC SCREEN</p>  <p>Line6.1 B008-THRest</p>	<p>Prio = 5 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>Creator: JBL Checked: JBL1-20-22 Date: 10/2/19 6:40 AM/6/10/22 9:31 AM</p>	<p>Denver Fire Lineshop</p> <p>Project: Lineshop Air Compressor Installation: Air compressor rework to better File: COMPRESSOR LINESHOP</p> <p>Customer: Lineshop Diagram No.: Page: 13 / 16</p>

Block Number (Type)	Parameter
B071(Asynchronous pulse generator) :	Rem = off 05:00s+ 00:30s
B072_blast cntr(Up/Down counter) : 30 SEC BLAST pushbutton on Smart box - counter	Rem = on On=0+ Off=0 Start=0
B073(Edge-triggered interval time-delay relay) :	Rem = off 05:00s+ 00:00s 1
B074(Message texts) : Air Tank Drain 	Prio = 8 Quit = off Text1: enabled Text2: disabled Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - Both
I1(Input) : I1-Express air (10 minutes)	
I2(Input) : I2- 2 HOURS	
I3(Input) : I3-30 sec Blast	
I4(Input) : I4-STOP/RESET Hold to DRAIN	
I5(Input) : I5-CURRENT SENSOR (compressor motor)	
I6(Input) : I6- express switch on paint booth	
I7(Input) : I7- stop switch on paint booth	
I10(Input) : oil reset hrs	
M25(SmartRelay displays white backlight) : White backlight	
M28(SmartRelay displays the amber backlight) : Amber backlight	
M29(SmartRelay displays red backlight) : Red backlight	
Q1(Output) : Q1-Air supply valve	

Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP	Page:	14 / 16

Block Number (Type)	Parameter
Q2(Output) : Q2-Compressor relay in jbox	
Q3(Output) : Q3-Drain Valve	
Q4(Output) : Q4-Beeper	

Creator:	JBL	Denver Fire Lineshop	Project:	Lineshop Air Compressor	Customer:	Lineshop
Checked:	JBL1-20-22		Installation:	Air compressor rework to better	Diagram No.:	
Date:	10/2/19 6:40 AM/6/10/22 9:31 AM		File:	COMPRESSOR LINESHOP	Page:	15 / 16

Connection	Label
I1	
I2	
I3	
I4	
I5	
I6	
I7	
I10	
M1	
M2	
M3	
M4	
M5	
M6	
M7	
M9	
M10	
M25	SmartRelay displays white backlight
M28	SmartRelay displays the amber backlight
M29	SmartRelay displays red backlight
Q1	
Q2	
Q3	
Q4	

