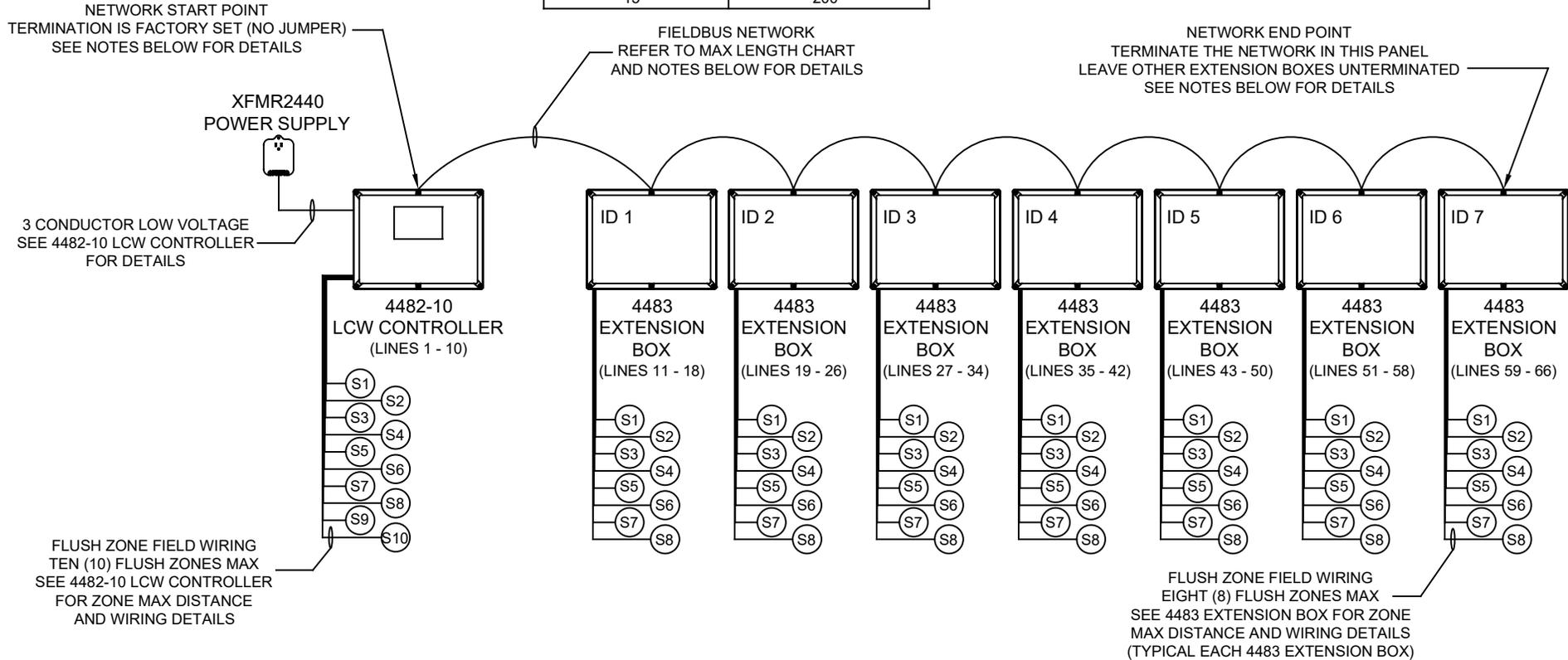


DIGITAL DOCUMENTATION	
4482-10 LCW CONTROLLER	4483 EXTENSION BOX

NETWORK VIN / GND POWER CONDUCTOR WIRE GAUGE	MAXIMUM NETWORK LENGTH (FEET)
18	75
16	150
15	200



- NOTES**
- EACH 4483 EXTENSION BOX RECEIVES POWER AND COMMUNICATIONS FROM THE 4482-10 LCW CONTROLLER THROUGH THE NETWORK FIELDBUS. A MAXIMUM OF SEVEN (7) 4483 EXTENSION BOXES PER NETWORK, INTERCONNECTED IN A "DAISY CHAIN" CONFIGURATION. STAR OR "T" BRANCHES ARE NOT ALLOWED. THE NETWORK MUST BEGIN AT THE 4482-10 LCW CONTROLLER AND END AT THE LAST 4483 EXTENSION BOX WITH ALL OTHER NODES WIRED "IN-OUT" BETWEEN.
 - EACH 4483 EXTENSION BOX ON THE NETWORK MUST BE ASSIGNED A UNIQUE ID WITH A CORRESPONDING NETWORK ADDRESS. SEE 4483 EXTENSION BOX FOR DETAILS.
 - NETWORK FIELDBUS TERMINATION IS REQUIRED AT THE 4483 EXTENSION BOX LOCATED AT THE END OF THE NETWORK. ALL OTHER NODES SHOULD BE UNTERMINATED. REFER TO THE 4483 EXTENSION BOX FOR INFORMATION ON SETTING THE NETWORK TERMINATION JUMPER.
 - NETWORK FIELDBUS LENGTH DEPENDS UPON POWER CONDUCTOR SIZE. MINIMUM 18AWG FOR POWER, MINIMUM 20AWG FOR TWISTED PAIR COMMUNICATIONS. SEE CHART ABOVE FOR MAX NETWORK LENGTH. REFERENCE BELDEN 7895A (18/20AWG), 7896A (16/18AWG), 7897A (15/18AWG) OR EQUIVALENT FOR CABLING FOR HARSH ENVIRONMENTS. REFERENCE BELDEN 127895A (18/20AWG), 127896A (16/18AWG), 127897A (15/18AWG) OR EQUIVALENT FOR ARMORED CABLING FOR HARSH RODENT RESISTANT ENVIRONMENTS.
 - TOTAL NETWORK LENGTHS LESS THAN 6 FEET MAY USE 4 #18AWG INDIVIDUAL CONDUCTORS IN LIEU OF THE TWISTED/SHIELDED NETWORK CABLE SPECIFIED.
 - FLUSH ZONE SOLENOID FIELD WIRING MAX DISTANCE VARIES BETWEEN THE 4482-10 LCW CONTROLLER AND THE 4483 EXTENSION BOX. REFER TO EACH COMPONENT FOR SPECIFIC FLUSH ZONE MAXIMUM FIELD WIRE LENGTH CHARTS.

MAT'L: SEE DETAILS

FINISH or TREATMENT: SEE DETAILS

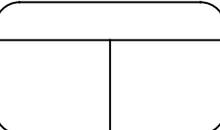
WEIGHT: SCALE:

DRAWN BY: C. WILLIS

SOURCE:

DATE: 8/25/2022

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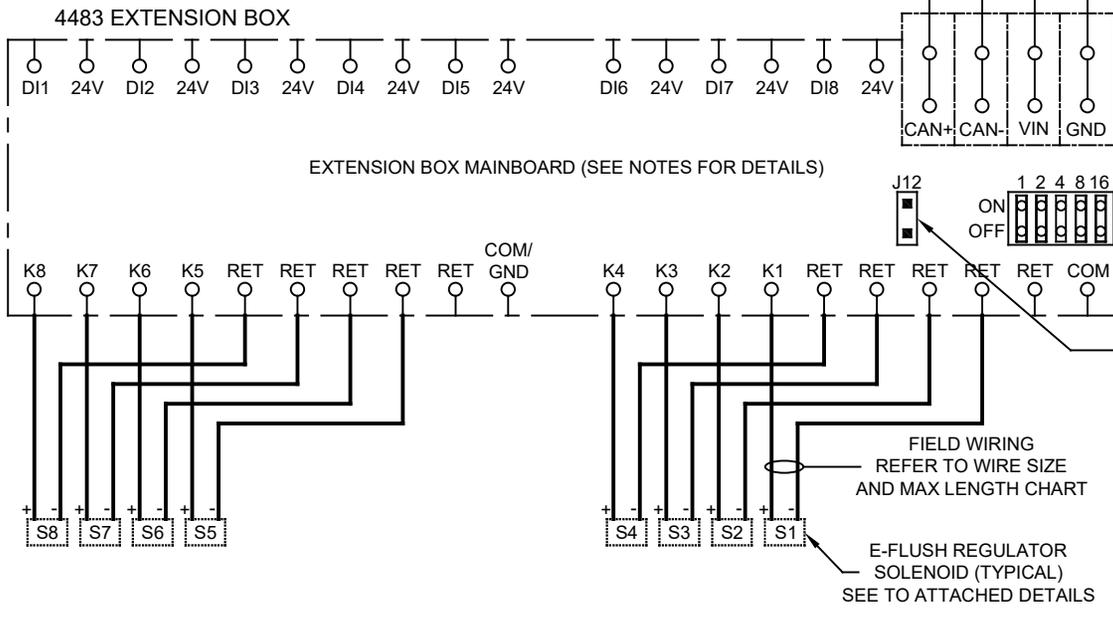
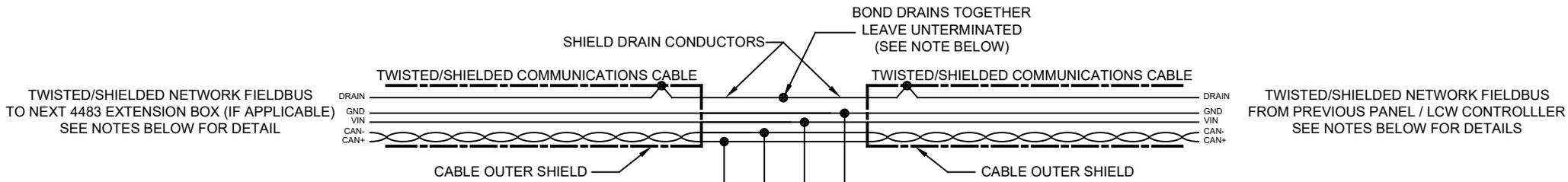
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LUBING SYSTEMS, LP
135 CORPORATE DRIVE SW
CLEVELAND, TN 37311 USA

DWG. NO. 20220712-E1

DESCRIPTION: EFLUSH NETWORK DIAGRAM

PART NO.



NETWORK ADDRESS SELECTOR REFER TO NETWORK ADDRESS SWITCH CHART FOR SETTINGS

NETWORK TERMINATION JUMPER
OPEN = OFF SHORTED = ON
SEE NETWORK TERMINATION CHART AND NOTES BELOW FOR DETAILS

NETWORK TERMINATION CHART	
OPEN (OFF) NOT TERMINATED	J12
SHORTED (ON) TERMINATED	J12

NETWORK ADDRESS SWITCH CHART		
PANEL NAME	LINE NUMBER	DIP SWITCH SETTING
LCW CONTROLLER	LINES 1 - 10	ON OFF
EXTENSION BOX ID 1	LINES 11 - 18	ON OFF
EXTENSION BOX ID 2	LINES 19 - 26	ON OFF
EXTENSION BOX ID 3	LINES 27 - 34	ON OFF
EXTENSION BOX ID 4	LINES 35 - 42	ON OFF
EXTENSION BOX ID 5	LINES 43 - 50	ON OFF
EXTENSION BOX ID 6	LINES 51 - 58	ON OFF
EXTENSION BOX ID 7	LINES 59 - 66	ON OFF

4483 EXTENSION BOX SOLENOID MAX DISTANCE CHART	
WIRE GAUGE (AWG)	MAX FIELD WIRE LENGTH (FEET)
18	75
16	150
14	225

NOTES

1. THE 4483 EXTENSION BOX RECEIVES POWER AND COMMUNICATIONS FROM THE 4482-10 LCW CONTROLLER PANEL THROUGH THE NETWORK FIELDBUS. A MAXIMUM OF SEVEN (7) 4483 EXTENSION BOXES PER SYSTEM, INTERCONNECTED WITH THE 4482-10 LCW CONTROLLER IN A "DAISY CHAIN" CONFIGURATION. SEE EFLUSH NETWORK DIAGRAM FOR DETAILS.
2. EACH 4483 EXTENSION BOX MUST BE ASSIGNED A UNIQUE ID NUMBER FROM ONE (1) TO SEVEN (7) AND THE NETWORK ADDRESS SELECTOR SWITCHES SET ACCORDING TO THIS ASSIGNED ID NUMBER USING THE NETWORK SWITCH CHART ABOVE. PANEL ID ASSIGNMENT SHOULD BEGIN WITH ID1 AND CONTINUE CONSECUTIVELY. NO TWO EXTENSION BOXES ARE PERMITTED TO HAVE THE SAME ID NUMBER (SAME ADDRESS SETTING).
3. NETWORK FIELDBUS TERMINATION SETTINGS ARE DETERMINED ACCORDING TO THE PANEL LOCATION IN THE NETWORK. THE 4483 EXTENSION BOX LOCATED AT THE END OF THE NETWORK MUST BE TERMINATED (ON), ALL OTHERS LEFT UNTERMINATED (OFF). SEE EFLUSH NETWORK DIAGRAM FOR DETAILS.
4. BOND THE SHIELD DRAIN CONDUCTORS TOGETHER, BUT DO NOT LAND. IF PANEL IS THE LAST 4483 EXTENSION BOX ON NETWORK, INSULATE THE DRAIN SHIELD AND LEAVE FLOATING.
5. FLUSH ZONE SOLENOID FIELD WIRING MAX DISTANCE FOR THE 4483 EXTENSION BOX DIFFERS FROM THE 4482-10 LCW CONTROLLER. ONLY USE THE MAX DISTANCE CHART RATING FOR THE PANEL BEING TERMINATED.

MAT'L: SEE DETAILS

FINISH or TREATMENT: SEE DETAILS

WEIGHT: SCALE:

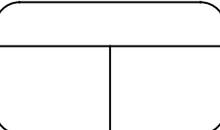
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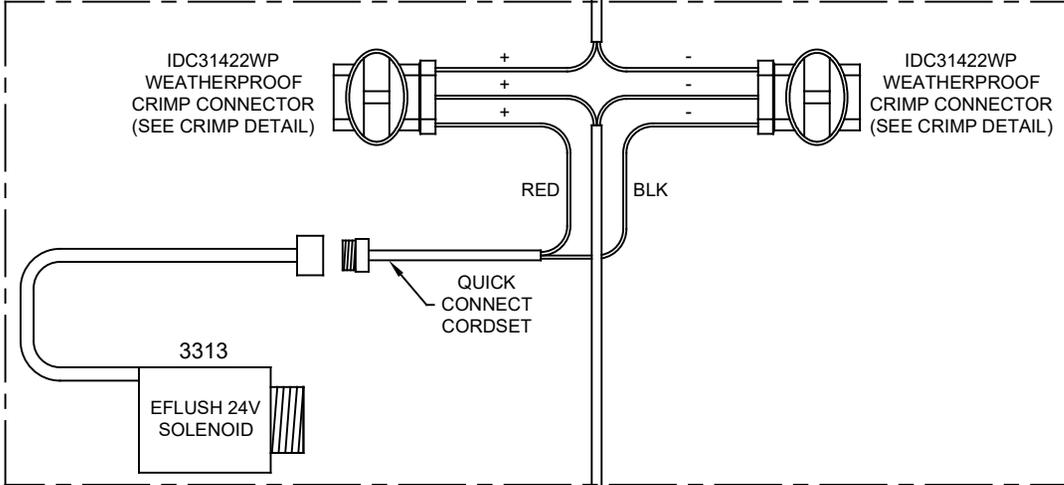
DWG. NO. 20220712-E1

DESCRIPTION: 4483 EXTENSION BOX

PART NO.

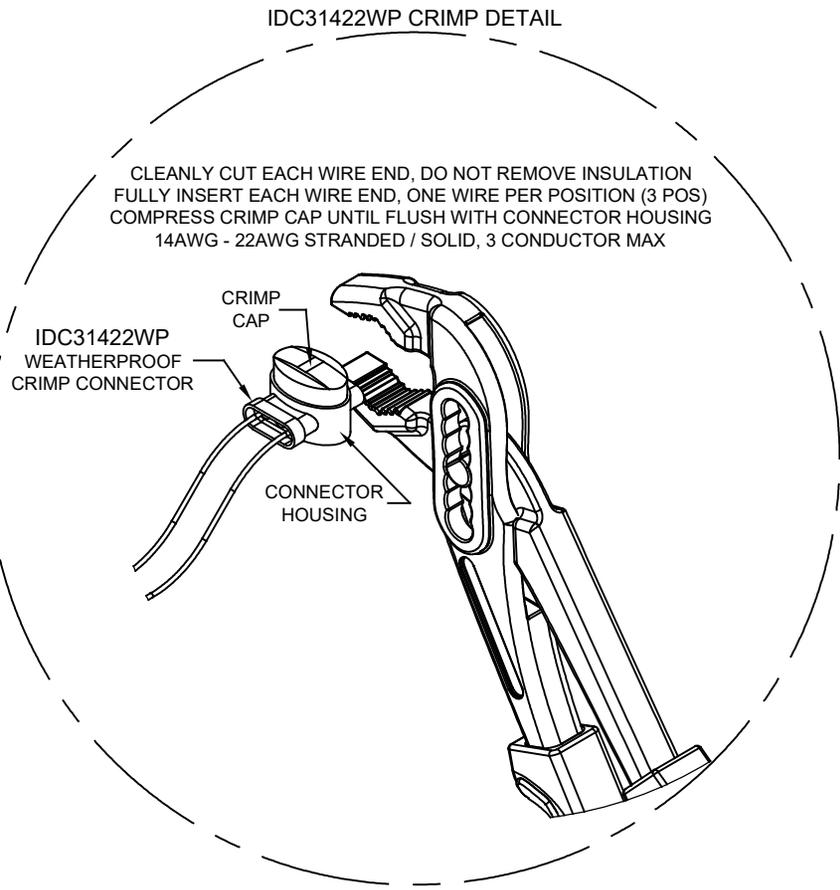
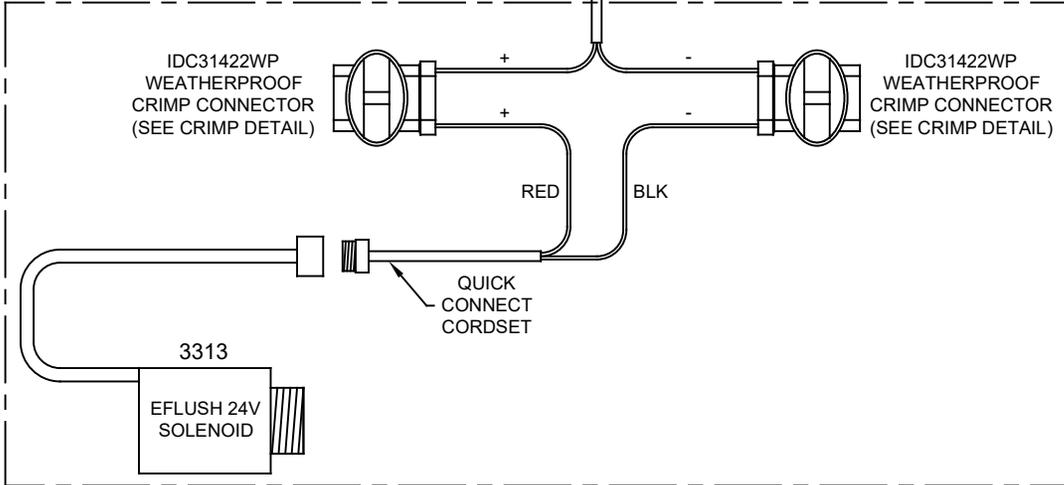
FLUSH ZONE SOLENOID FIELD WIRING
REFER TO 4482-10 LCW CONTROLLER
OR REFER TO 4483 EXTENSION BOX
FOR WIRE SIZE AND MAX LENGTH

3313 KIT EFLUSH SOLENOID KIT



FIELD WIRING
(OPTIONAL SECOND SOLENOID)
REFER TO NOTES BELOW

3313 KIT EFLUSH SOLENOID KIT



CLEANLY CUT EACH WIRE END, DO NOT REMOVE INSULATION
FULLY INSERT EACH WIRE END, ONE WIRE PER POSITION (3 POS)
COMPRESS CRIMP CAP UNTIL FLUSH WITH CONNECTOR HOUSING
14AWG - 22AWG STRANDED / SOLID, 3 CONDUCTOR MAX

SECOND SOLENOID KIT
FOR PARALLEL OPERATION
OF ADDITIONAL FLUSH ZONE
TWO (2) SOLENOIDS MAX
REFER TO NOTES BELOW

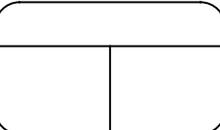
NOTES

1. 3313 KIT INCLUDES THE 3313 SOLENOID, QUICK CONNECT CORDSET, AND TWO (2) IDC31422WP CONNECTORS
2. UP TO TWO (2) SOLENOIDS MAY BE WIRED TO EACH CONTROLLER OUTPUT. TOTAL COMBINED FLUSH ZONE FIELD WIRE LENGTH MUST NOT EXCEED RECOMMENDED MAX.
3. FLUSH ZONE SOLENOID FIELD WIRING MAX DISTANCE VARIES BETWEEN THE 4482-10 LCW CONTROLLER AND THE 4483 EXTENSION BOX. REFER TO EACH COMPONENT FOR SPECIFIC FLUSH ZONE MAXIMUM FIELD WIRE LENGTH CHARTS.

MAT'L: SEE DETAILS
FINISH or TREATMENT: SEE DETAILS
WEIGHT: SCALE:

DRAWN BY: C. WILLIS
SOURCE:
DATE: 8/25/2022

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DWG. NO. 20220712-E2	PART NO.
DESCRIPTION: 3313 EFLUSH SOLENOID	