

NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

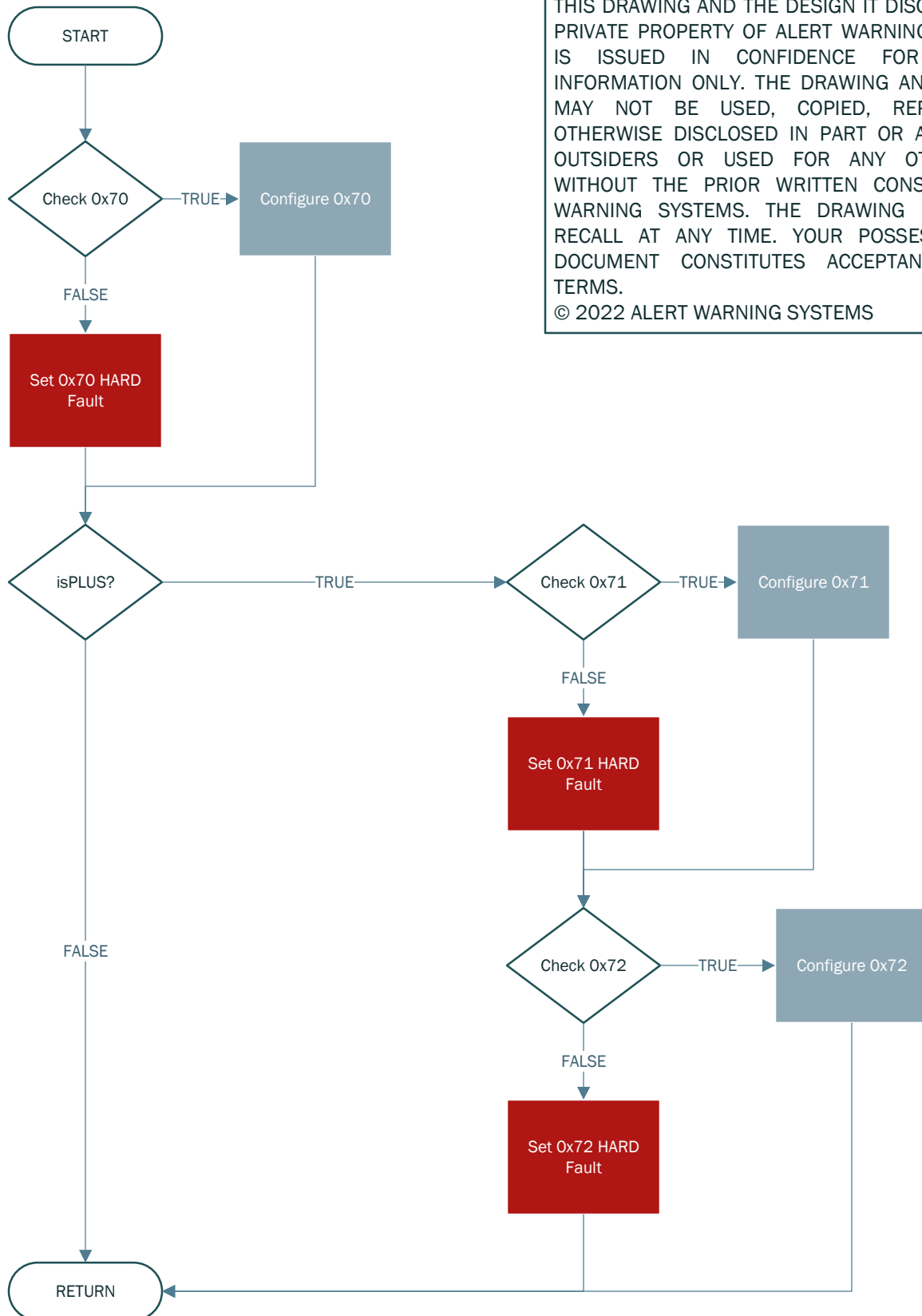
© 2022 ALERT WARNING SYSTEMS

HARDWARE VERSION 3.2d PRE-PRODUCTION		AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA			
DRAWN BY BAF		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION SETUP.CPP		DATE 05/22/2022	PAGE 1 of 1

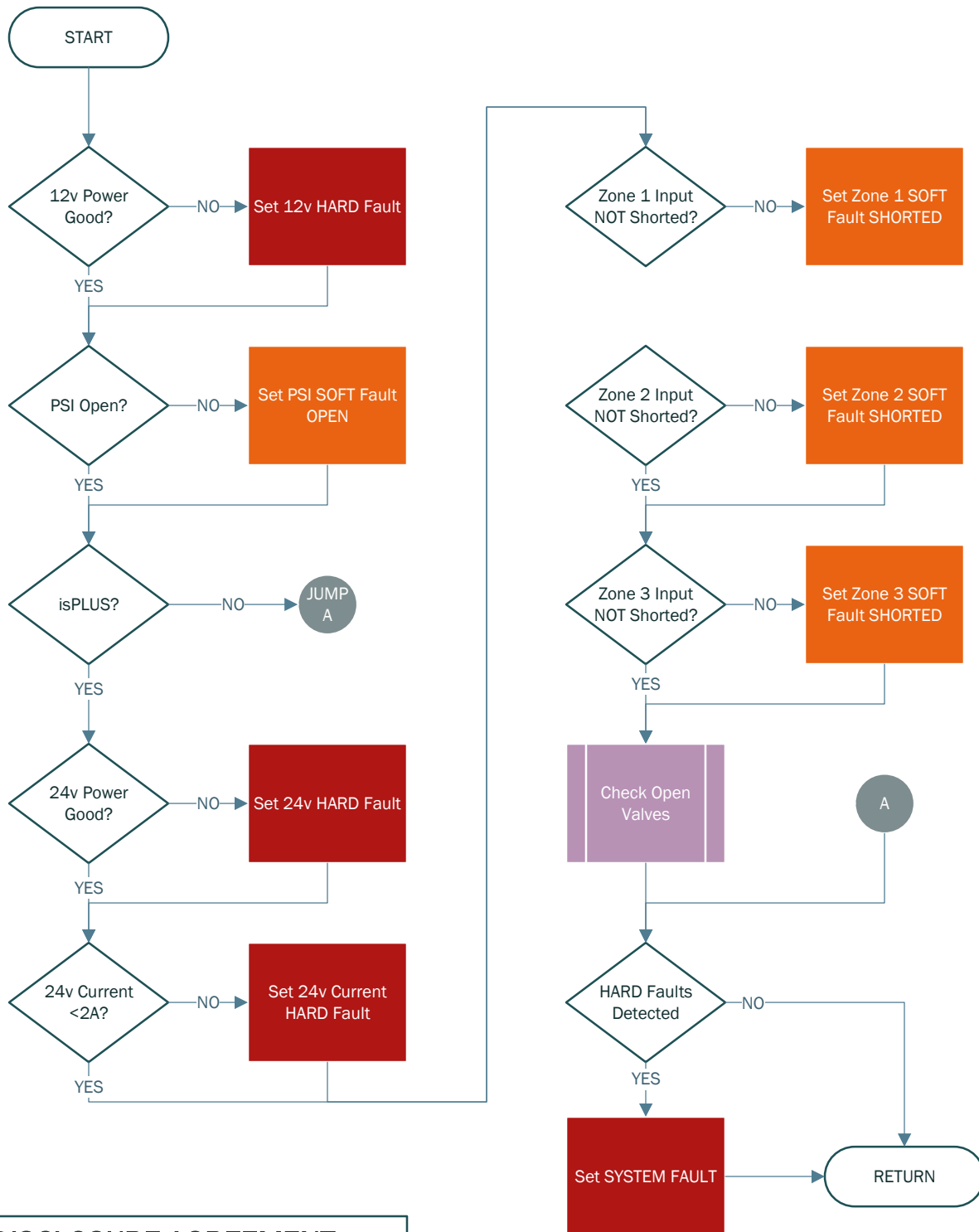
NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS



HARDWARE VERSION 3.2d PRE-PRODUCTION		AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA			
DRAWN BY BAF		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION I2c Startup		DATE 05/22/2022	PAGE 1 of 1



NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

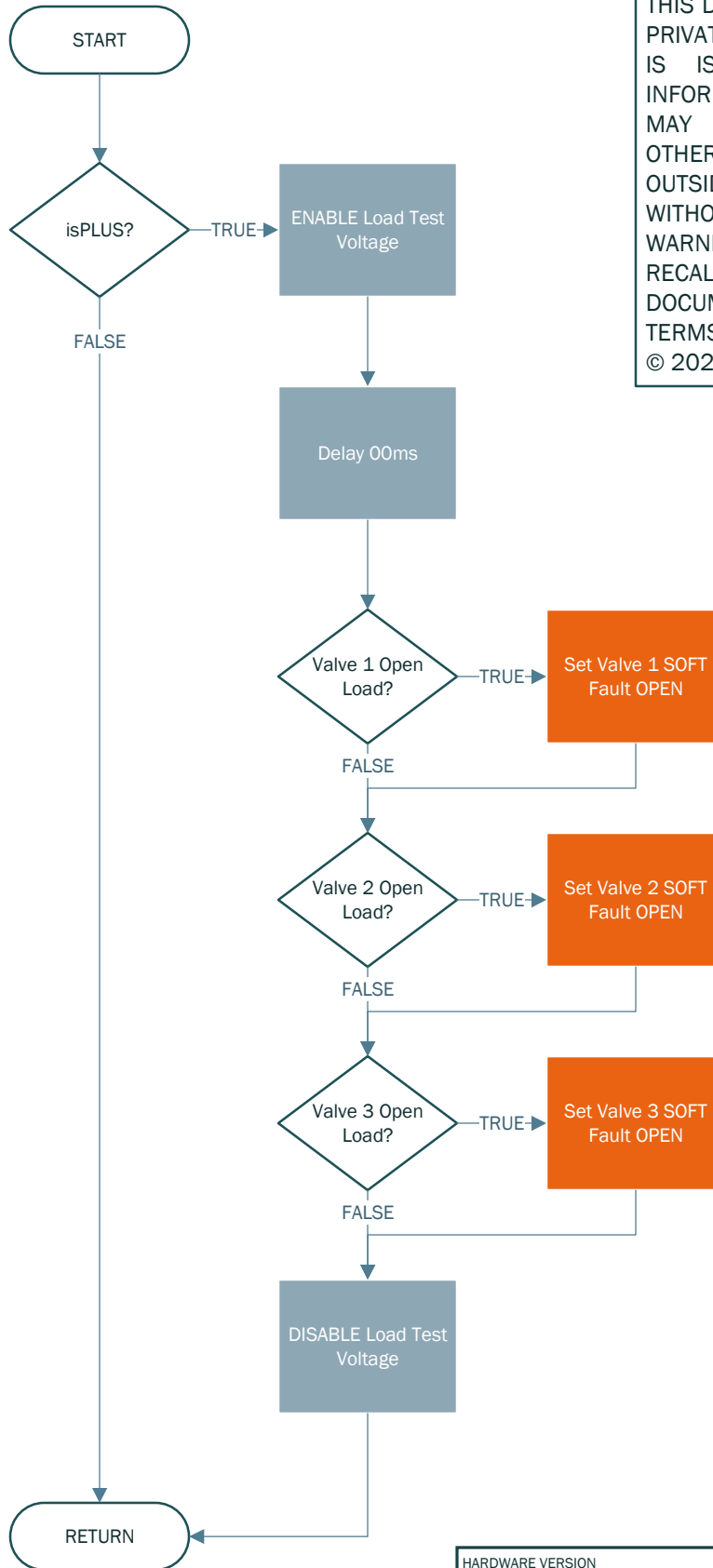
© 2022 ALERT WARNING SYSTEMS

HARDWARE VERSION 3.2d PRE-PRODUCTION		AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA			
DRAWN BY BAF		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION POST.CPP		DATE 05/22/2022	PAGE 1 of 1

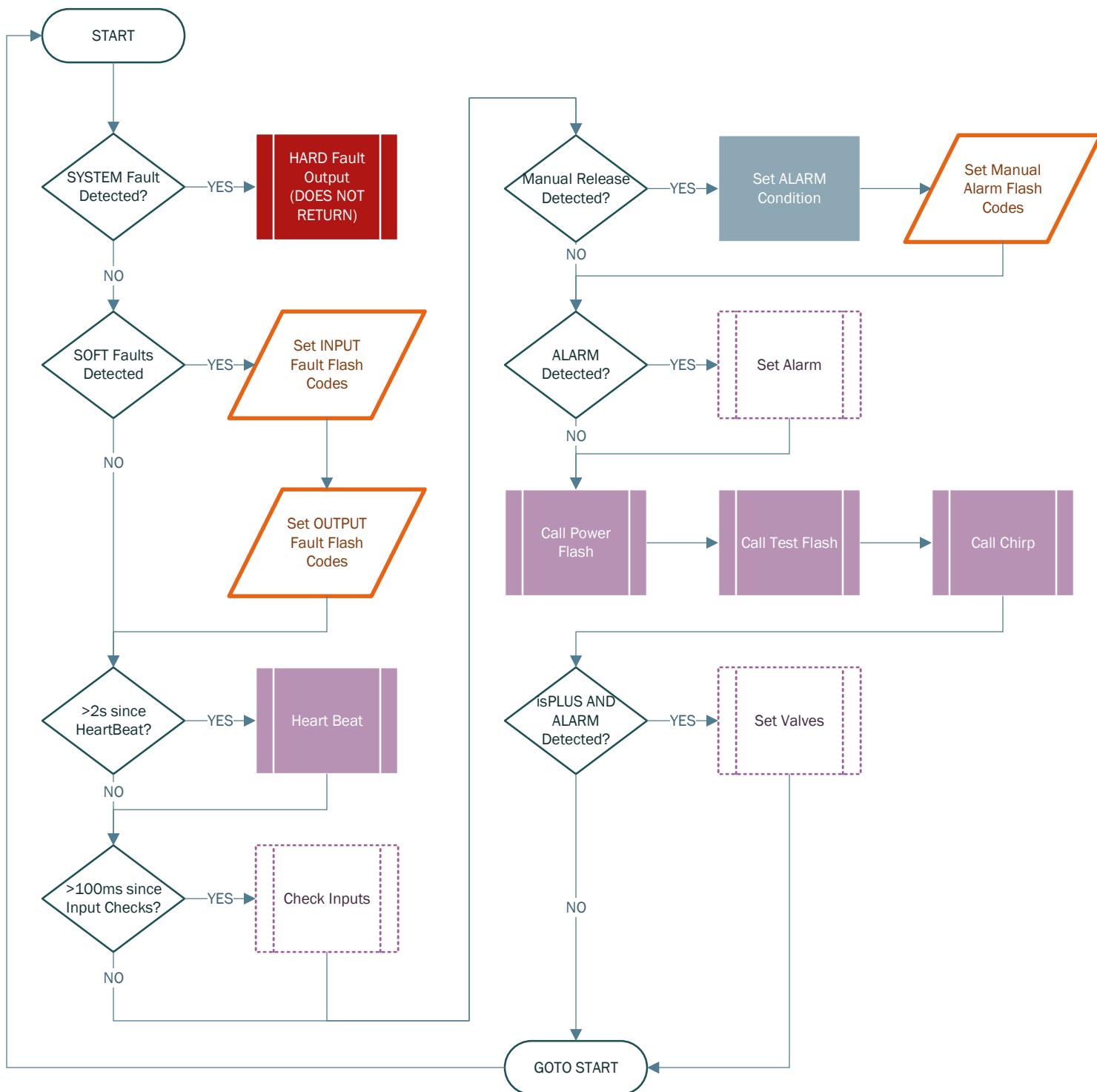
NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS



HARDWARE VERSION 3.2d PRE-PRODUCTION		AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA			
DRAWN BY BAF		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION CHECKVALVES.CPP		DATE 05/22/2022	PAGE 1 of 1



NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS

HARDWARE VERSION
3.2d PRE-PRODUCTION

SOFTWARE VERSION
2.10 BETA

DRAWN BY
BAF

DESCRIPTION
MAIN.CPP

AVWS ACU BASELINE CODE FLOWCHART

Alert Warning Systems, Inc

10758 Trenton Ave, St. Louis, Missouri 63132

(314) 635-6500

DATE

05/22/2022

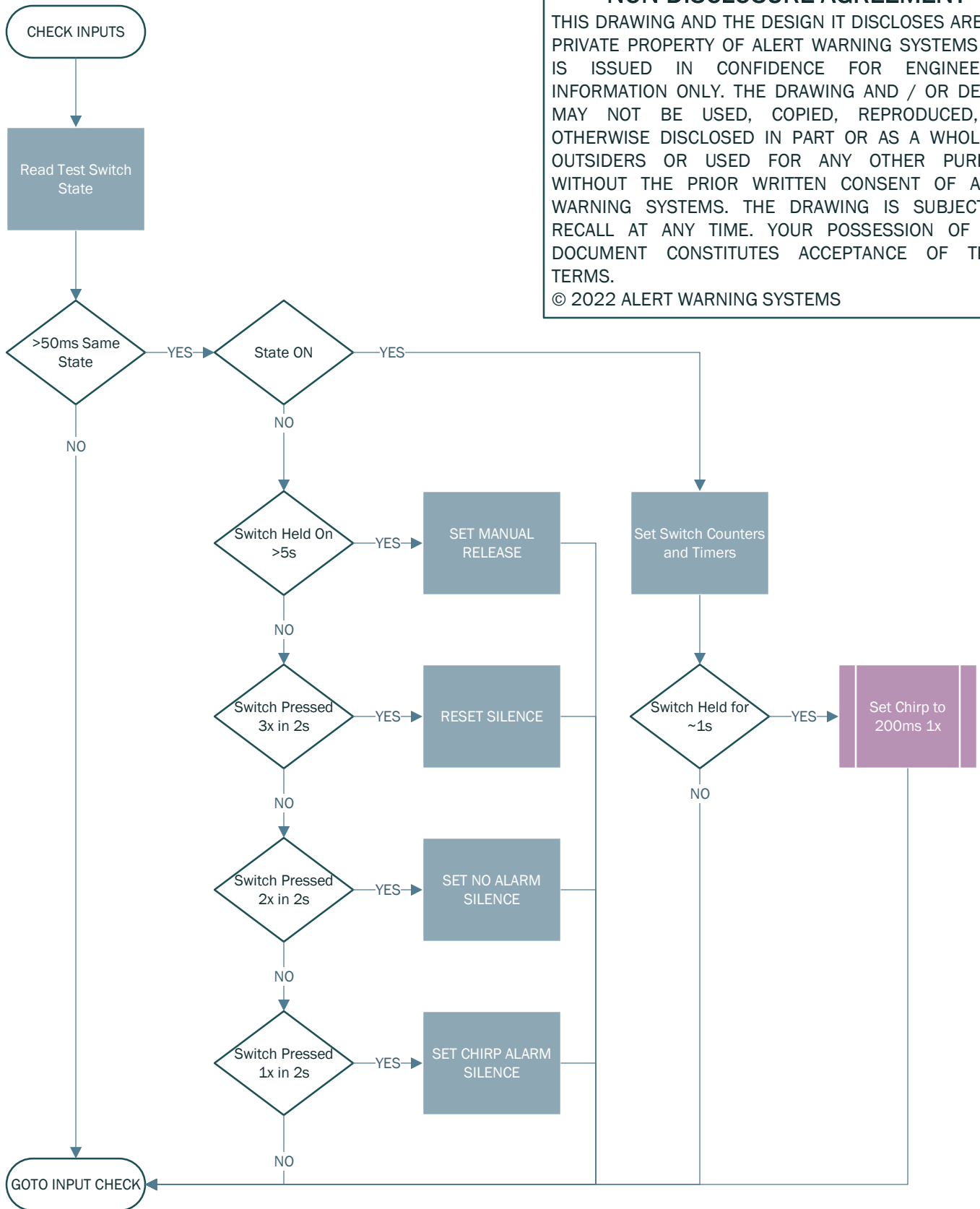
PAGE

1 of 5

NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS



HARDWARE VERSION
3.2d PRE-PRODUCTION

SOFTWARE VERSION
2.10 BETA

DRAWN BY
BAF

DESCRIPTION
MAIN.CPP

AVWS ACU BASELINE CODE FLOWCHART

Alert Warning Systems, Inc
10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500

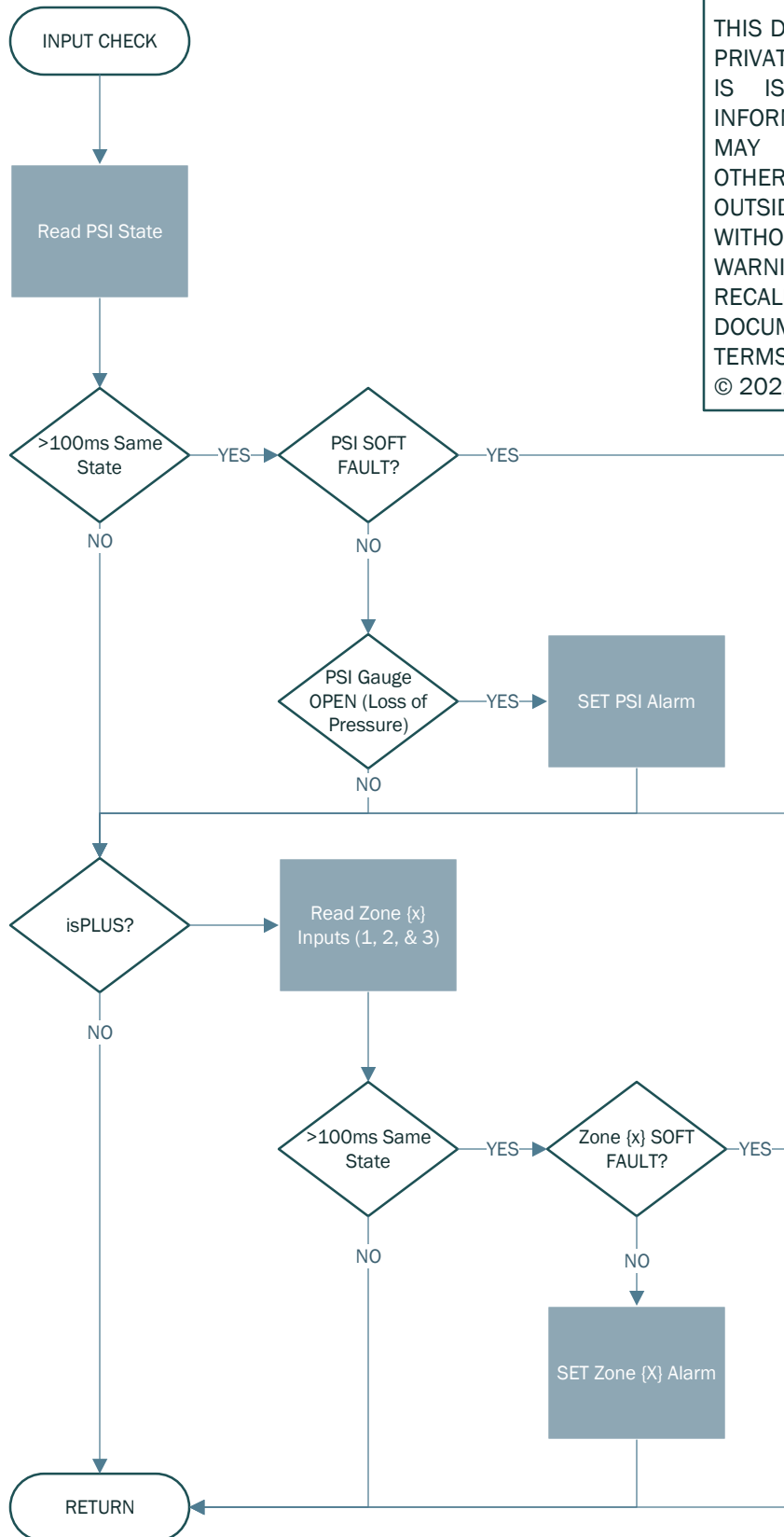
DATE
05/22/2022

PAGE
2 of 5

NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS

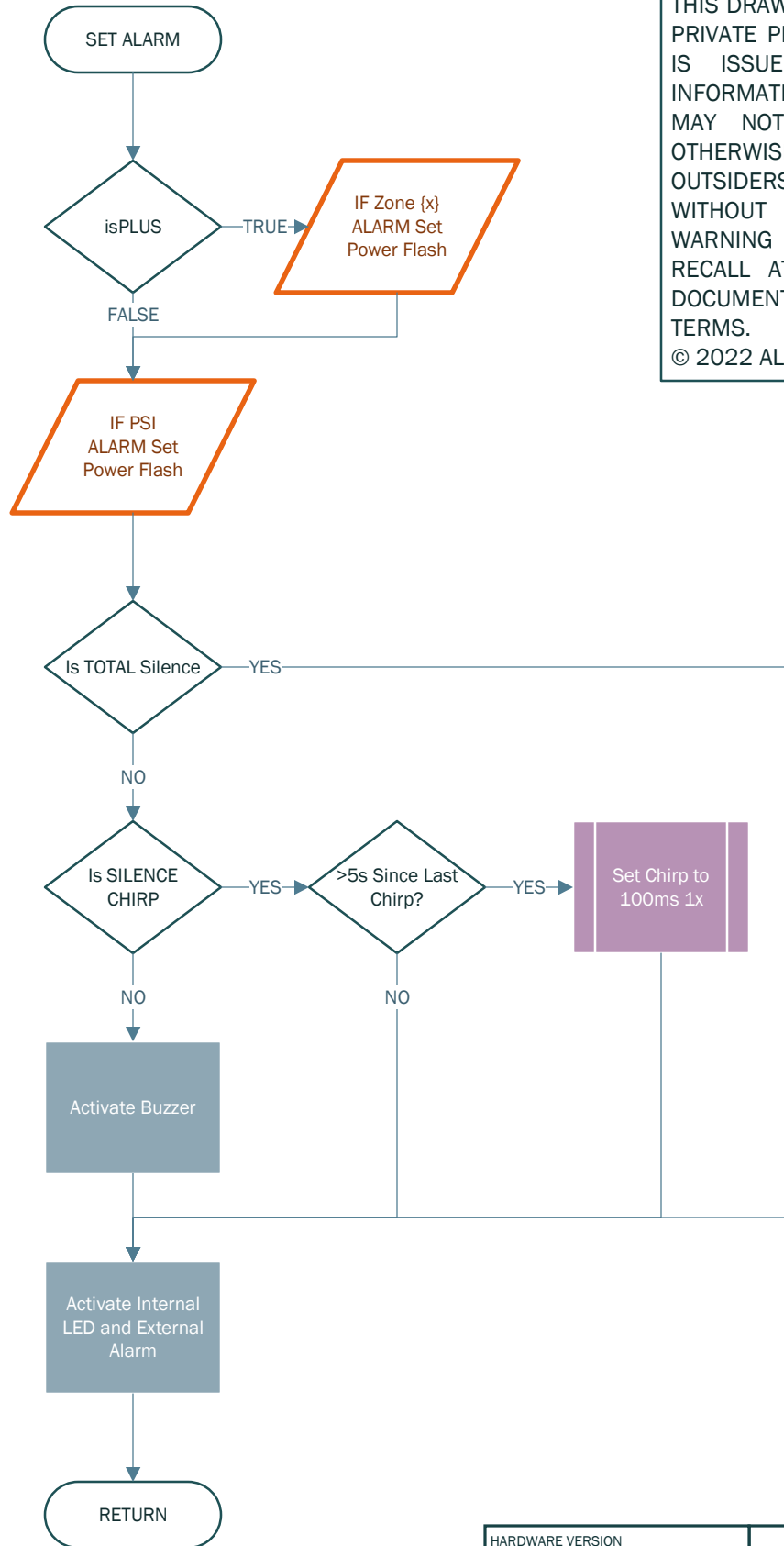


HARDWARE VERSION 3.2d PRE-PRODUCTION		AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA			
DRAWN BY BAF		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION MAIN.CPP		DATE 05/22/2022	PAGE 3 of 5

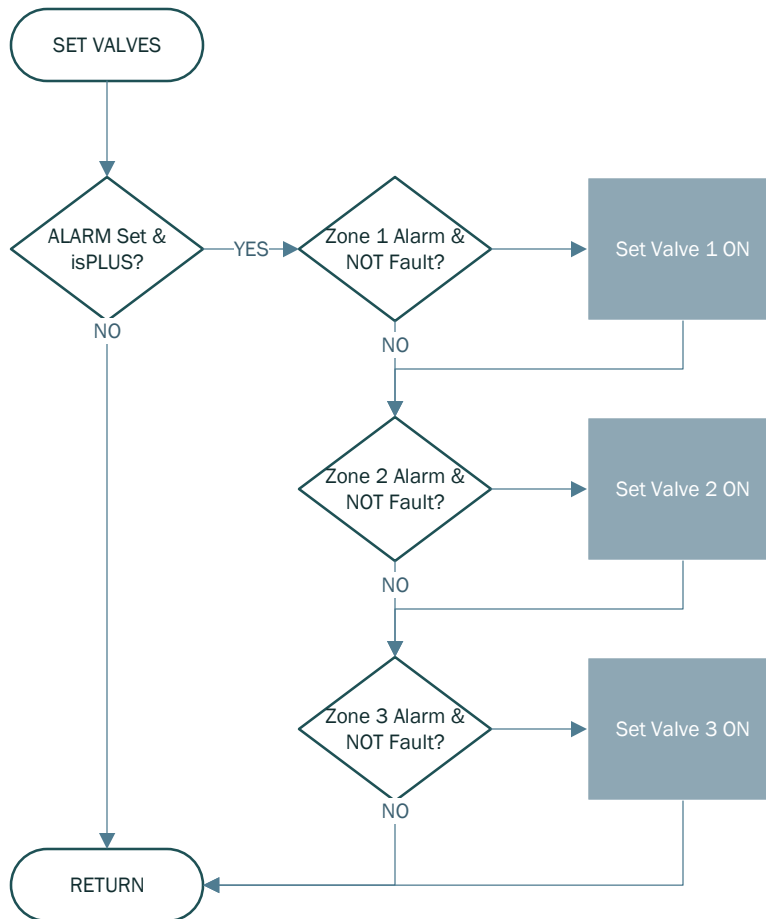
NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS



HARDWARE VERSION 3.2d PRE-PRODUCTION	AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA		
DRAWN BY BAF	Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION MAIN.CPP	DATE 05/22/2022	PAGE 4 of 5

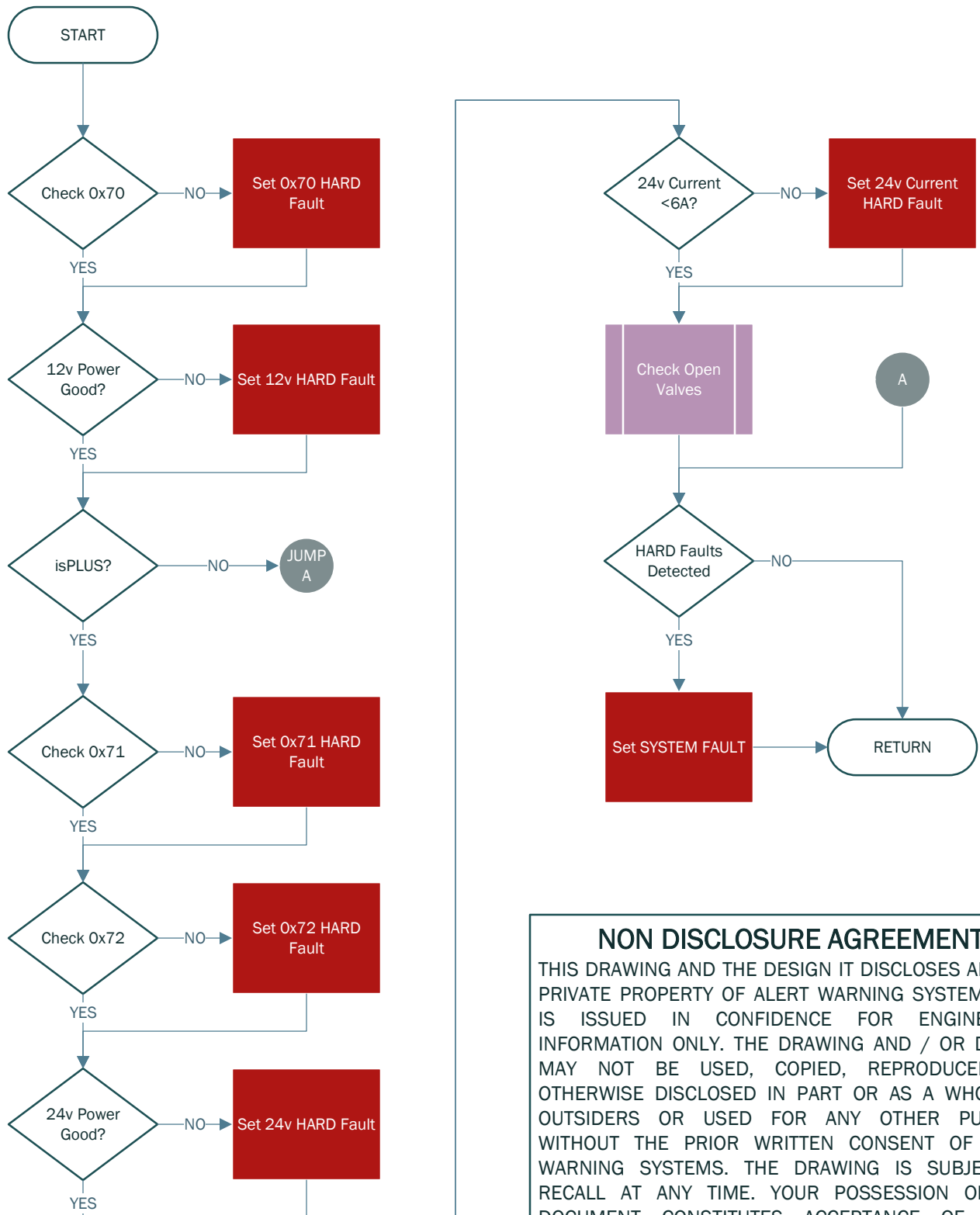


NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS

HARDWARE VERSION 3.2d PRE-PRODUCTION	AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA		
DRAWN BY BAF	Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION MAIN.CPP	DATE 05/22/2022	PAGE 5 of 5

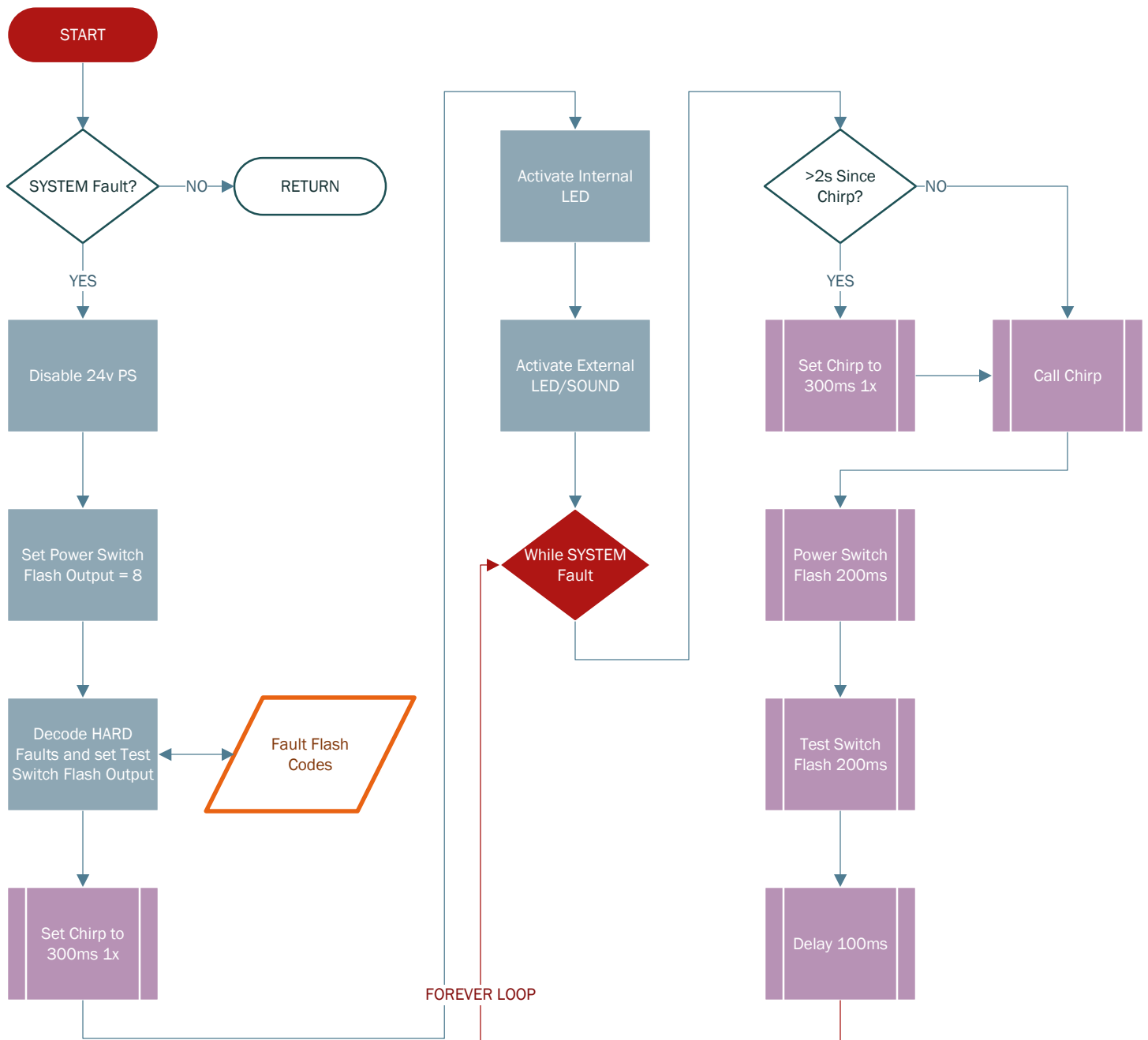


NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS

HARDWARE VERSION 3.2d PRE-PRODUCTION	AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA		
DRAWN BY BAF	Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION MAIN.CPP	DATE 05/22/2022	PAGE 2 of 5



NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS

HARDWARE VERSION 3.2d PRE-PRODUCTION		AVWS ACU BASELINE CODE FLOWCHART	
SOFTWARE VERSION 2.10 BETA			
DRAWN BY BAF		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500	
DESCRIPTION FAULTOUTPUT.CPP		DATE 05/22/2022	PAGE 1 of 1

Test Switch SOFT Fault Flash Codes:

#	Problem
1	Zone Input 1 SHORTED
2	Zone Input 1 SHORTED
3	Zone Input 1 SHORTED
4	PSI Gauge Input OPEN
5	Valve 1 OPEN/SHORTED
6	Valve 2 OPEN/SHORTED
7	Valve 3 OPEN/SHORTED
8	UNDEFINED

Power Switch HARD Fault Flash Codes:

#	Problem
1	i2c Hard Fault (0x70)
2	i2c Hard Fault (0x71)
3	i2c Hard Fault (0x72)
4	12v Power Supply Fault
5	24v Power Supply Fault
6	24v High Current Condition
7	UNDEFINED
8	UNDEFINED

Power Switch ALARM Flash Codes:

#	Problem
1	Zone 1 ALARM
2	Zone 2 ALARM
3	Zone 3 ALARM
4	PSI Gauge ALARM
5	MANUAL ALARM
6	UNDEFINED
7	UNDEFINED
8	UNDEFINED

NON DISCLOSURE AGREEMENT

THIS DRAWING AND THE DESIGN IT DISCLOSES ARE THE PRIVATE PROPERTY OF ALERT WARNING SYSTEMS AND IS ISSUED IN CONFIDENCE FOR ENGINEERING INFORMATION ONLY. THE DRAWING AND / OR DESIGN MAY NOT BE USED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED IN PART OR AS A WHOLE TO OUTSIDERS OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ALERT WARNING SYSTEMS. THE DRAWING IS SUBJECT TO RECALL AT ANY TIME. YOUR POSSESSION OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THESE TERMS.

© 2022 ALERT WARNING SYSTEMS

HARDWARE VERSION
3.2d PRE-PRODUCTION

SOFTWARE VERSION
2.10 BETA

DRAWN BY
BAF

DESCRIPTION
FAULT CODES

AVWS ACU BASELINE CODE FLOWCHART

Alert Warning Systems, Inc
10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500

DATE
05/22/2022

PAGE
1 of 1