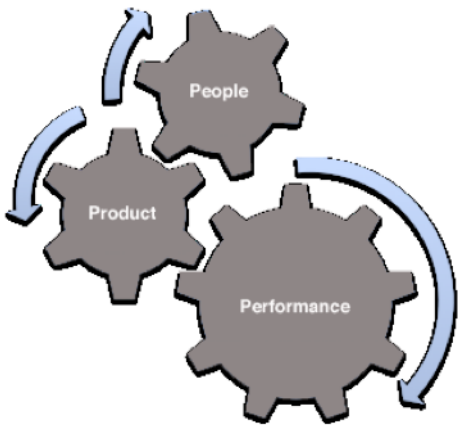




SERVICE MANUAL

Ginspire
Wiring and Operation Guide
Including:

26303 Ginspire Base Control
Panel



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We appreciate your business and hope you enjoy your

Samuel Jackson Ginspire

This manual contains information on the installation, wiring and use of your Ginspire.

Included are sections on:

- Navigating Through the Screens
- Basic Electrical Installation of System
- Electrical Installation of Optional Sensors

In the future when you require service, technical support, or parts please contact us by phone, fax, or email. Our engineers and service people are available to assist you in obtaining the best performance from your Samuel Jackson, Inc. products.

Again, thanks for choosing a Samuel Jackson Ginspire

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What is Ginspire?

Ginspire combines the abilities of Argus detectors along with other universal sensors into one product.

With almost 300 gins that use Argus, it has become well-known and well-loved in the ginning community. An Argus Spark Detection System provides ginners with the security of knowing their ginning process is protected.

These protection benefits flow both upstream and downstream. The cotton farmer benefits from more timely ginning and the economic benefits of increased ginning efficiency in the form of increased rebates and dividends. The cotton warehouse benefits from receiving cotton bales that are far less likely to contain hot spots or embers. It is a win-win for both.

Argus detectors may be used with a classic Argus control panel (ideal for small gins taking their first steps with spark detection) or with the new Ginspire control system. Ginspire offers users the advantages of more comprehensive spark alarm annunciation with email and text alert options, historical records of alarms, and the ability to mix a variety of different spark and fire detectors within the same system.

Ginspire Home Screen

When alarmed, pressing on the zone that is alarming will reset it.
When not alarmed, pressing on the zone will display alarm history for that zone.

is shown when the zone is ready, and the numbers indicate alarms for this zone during This Shift/Last Shift.

Indicates a spark has been detected. It can also occur if many detectors have EOL on or installed or if there is a dead short from power to detector wires.

Indicates the zone is bypassed.



Shows System Alarm History

Shown when the zone does not have an End Of Line switch on, or resistor installed. It can also indicate a broken connection.

Indicates more than one End Of Line Switch or resistor is installed.

Displays the total number of alarms during those shifts.

Enters Setup



When a zone alarms, a Reset All button appears in the bottom right hand corner on top of the "This Shift/Last Shift" that can be used to reset all active alarms.

System Alarm History

The magnifying glass on the bottom left-hand corner of the Ginspire home screen will show the system alarm history.

Shows the alarm history for the entire system with a total of 150 recorded alarms

Shows the system alarms for the current and last shift

Alarm History		This Shift / Last Shift
10/3/2019 11:43:22 PM - Corona Fire Detector		7/17/2019 5:43:04 PM - Zone 10
9/27/2019 3:19:40 AM - Corona Fire Detector		7/17/2019 5:42:59 PM - Zone 10
9/13/2019 5:39:11 PM - Corona Fire Detector		7/17/2019 5:41:23 PM - Zone 9
8/16/2019 1:17:53 PM - Corona Fire Detector		7/17/2019 5:41:18 PM - Zone 9
8/6/2019 7:00:45 PM - Corona Fire Detector		7/17/2019 5:40:13 PM - Zone 8
8/1/2019 12:59:20 PM - Corona Fire Detector		7/17/2019 5:39:36 PM - Zone 7
8/1/2019 12:58:59 PM - Corona Fire Detector		7/17/2019 5:38:41 PM - Zone 6
7/18/2019 12:21:51 PM - Corona Fire Detector		7/17/2019 5:38:35 PM - Zone 6
7/17/2019 5:28:07 PM - Argus Demo Pipe		7/17/2019 5:37:40 PM - Zone 5
7/17/2019 5:47:05 PM - Zone 15		7/17/2019 5:37:35 PM - Zone 5
7/17/2019 5:46:21 PM - Zone 14		7/17/2019 5:37:29 PM - Zone 5
7/17/2019 5:45:34 PM - Zone 13		7/17/2019 5:37:21 PM - Zone 5
7/17/2019 5:44:48 PM - Zone 12		7/17/2019 5:35:05 PM - Zone 4
7/17/2019 5:44:09 PM - Zone 11		7/17/2019 5:35:00 PM - Zone 4
7/17/2019 5:44:04 PM - Zone 11		7/17/2019 5:33:53 PM - Argus Demo Pipe
Lifetime Alarms 392	Resettable 89	Page 1 / 5
Reset All Alarm History		Show Version

Shows the lifetime total alarms for every zone.

Shows the resettable alarms for the system.

Current page number.

Will show the splash screen where the PLC and TS versions are displayed.

Navigates to other pages of alarms.

Zone Setup

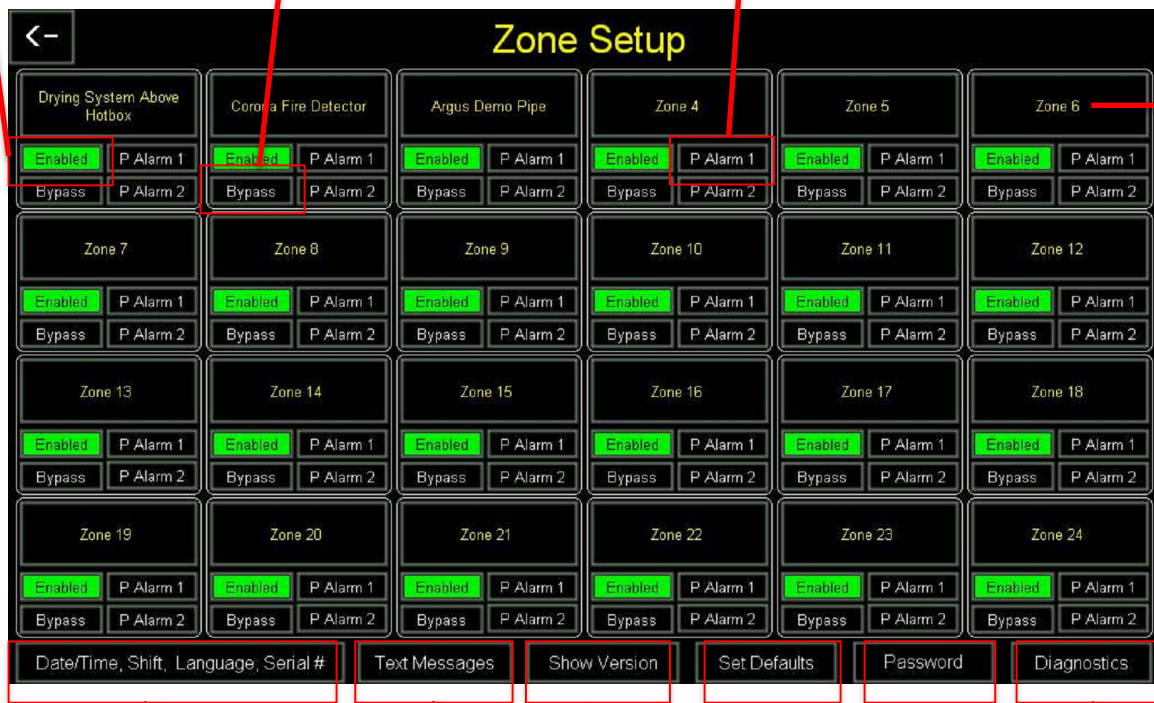
Initially all zones are disabled and unpowered. Once enabled the zone will receive 24vdc power. The wrench on the bottom right-hand corner of the Ginspire home screen will lead to setup.

P Alarm 1 is a programmable alarm. When this is selected for a zone, anytime that zone alarms it will also activate the PA1 alarm relay. This can be used to build groups of zones that need to all perform a single action. This saves the electrician wiring up groups of relays as the logic happens in the PLC.

Enable a zone by pressing it's Disable/Enable button.

Bypass will bypass the zone so that it no longer triggers the Horn/Strobe or associated relays.

Pressing on the zone name allows the user to edit the name.



Proceeds to the date/time, shift, language, and serial # screen.

Proceeds to text message screen.

Will show the splash screen where the PLC and TS versions are displayed.

Will reset to factory defaults.

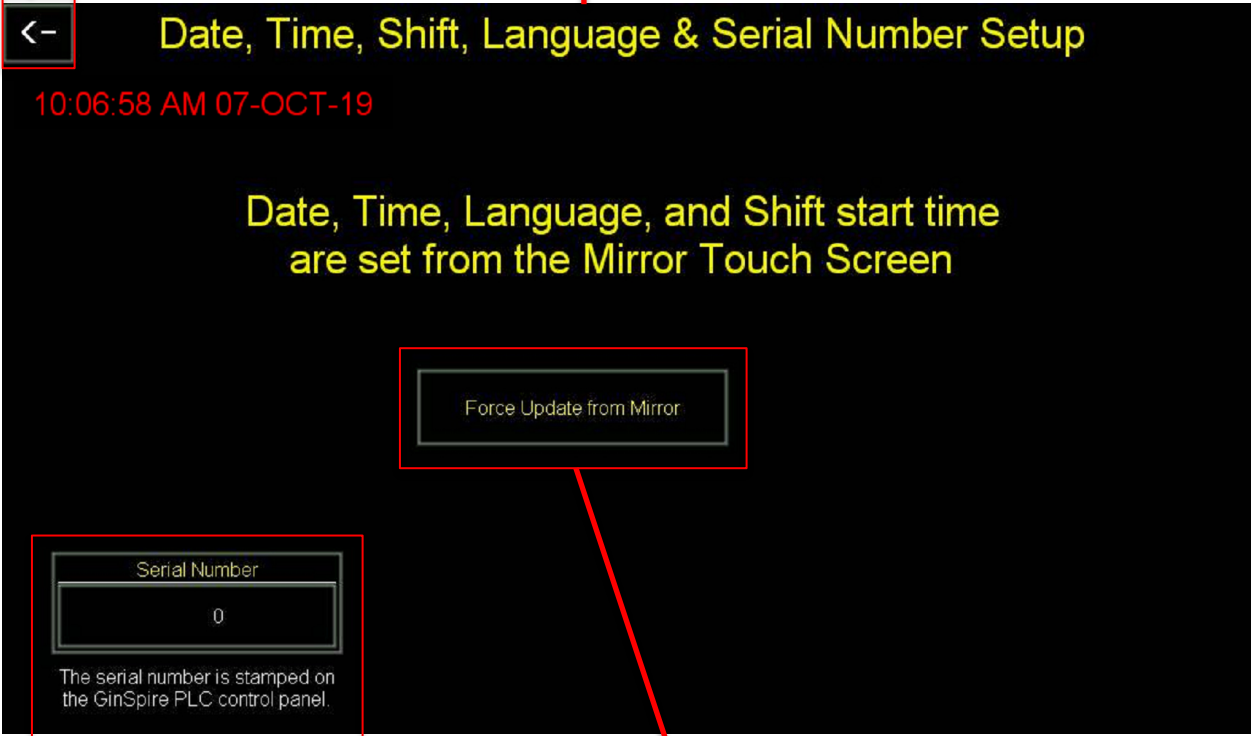
Allows user to change the default password.

Proceeds to a diagnostics page that allows component troubleshooting.

Date, Time, Shift, Language, & Serial Number Setup

Takes user to previous page.

If a Mirror is present then the Date, Time, Shift, & Language are pulled from the Mirror.
If a Mirror is not present then these values will be visible and editable.



Serial Number is where you enter the SN stamped on the panel. This is required for the Text Messaging to work.

If a Mirror is present, an update can be forced by pressing Force Update from Mirror.

Text Message Setup

Takes user to previous page.

Enter the country code of the number you wish texts to go to. Once the country code is filled in another field will appear for the phone number starting with area code. NOTE: U.S. country code is +1

The screenshot displays a grid of nine configuration panels for phone numbers 1 through 9. Each panel contains a country code field (currently '+0') and three buttons for 'Shift 1 Alerts', 'Shift 2 Alerts', and 'Shift 3 Alerts', each with a 'Disabled' status below it. A back arrow is located in the top left corner. Red annotations highlight the back arrow, the country code field in Phone Number 3, and the alert buttons in Phone Number 8.

Each number can be configured to receive alerts during Shift 1, and/or Shift 2, and/or Shift 3.

Zone Diagnostics

Shows detector mA value currently coming from each zone.

Relay on/off allow for manual verification of the relay and testing of alarm action.

The screenshot displays a grid of 24 zone diagnostic panels. Each panel includes a 'Detector' label with a numerical mA value and a 'Relay Off' button. The mA values for zones 1 through 24 are: 3.29, 2.74, 3.28, 0.00, 0.00, 0.00, 0.00, 0.00, 0.01, 0.01, 0.01, 0.01, 0.01, 0.01, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03, 7.63e-03. Below the grid are three buttons: 'Horn/Strobe Off', 'Programmable Alarm 1 Relay Off', and 'Programmable Alarm 2 Relay Off'.

Horn Strobe on/off toggles the horn/strobe to test functionality.

Programmable Alarm 1 & 2 test the function of the programmable relays.

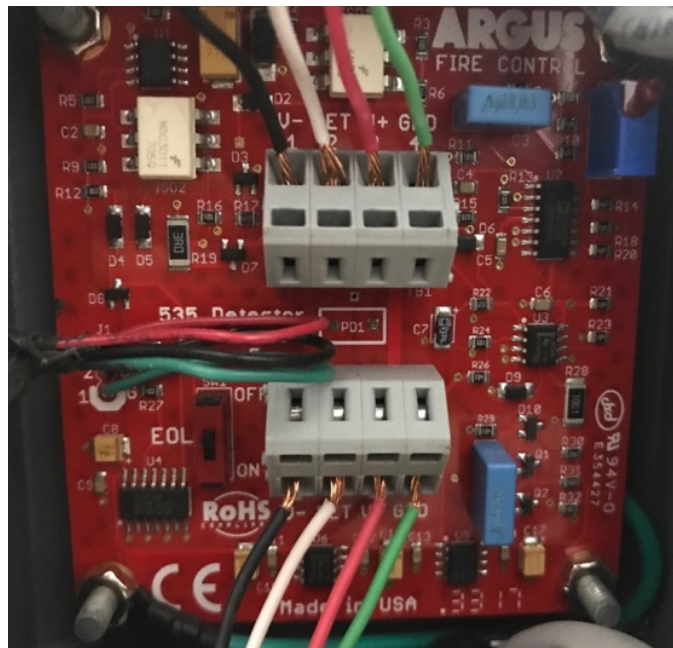
Visual Reference for Wiring

Argus Detectors with Ginspire Panel

Wiring of Argus on panel

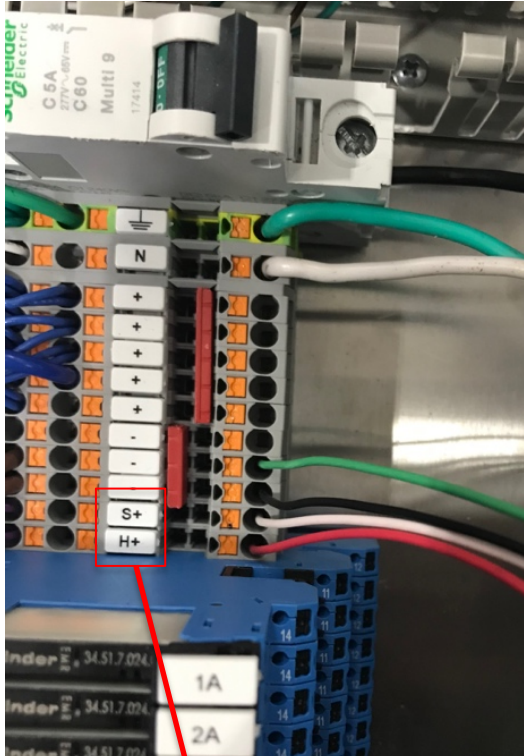


Wiring on Argus Detector



Additional Wiring on Ginspire Panel

Wiring of Horn & Strobe on panel



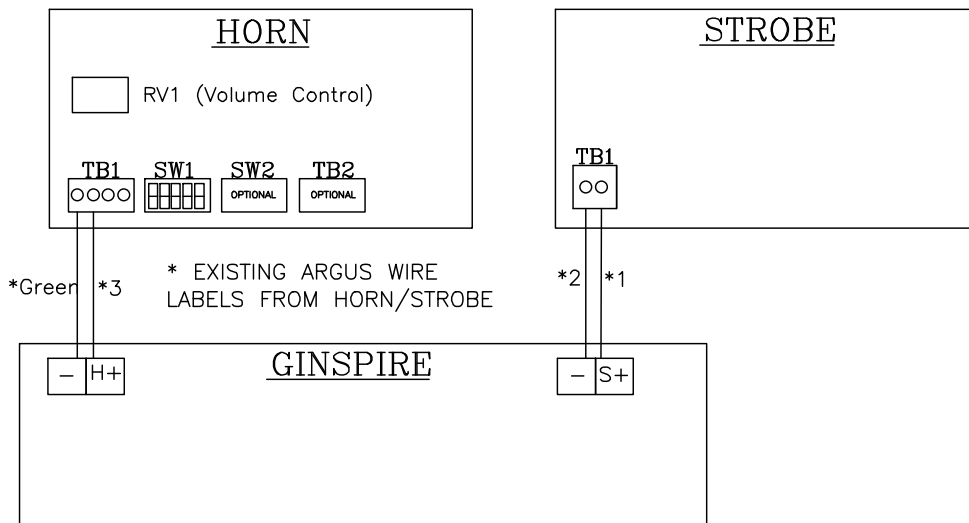
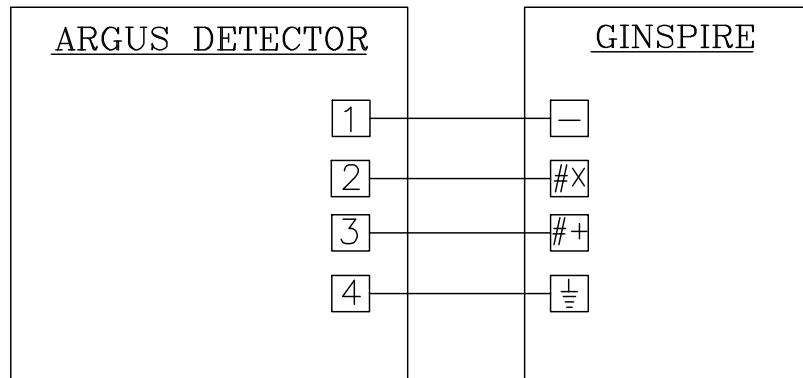
S+ is the strobe terminal.
H+ is the horn terminal.

Relay Outputs for Alarms



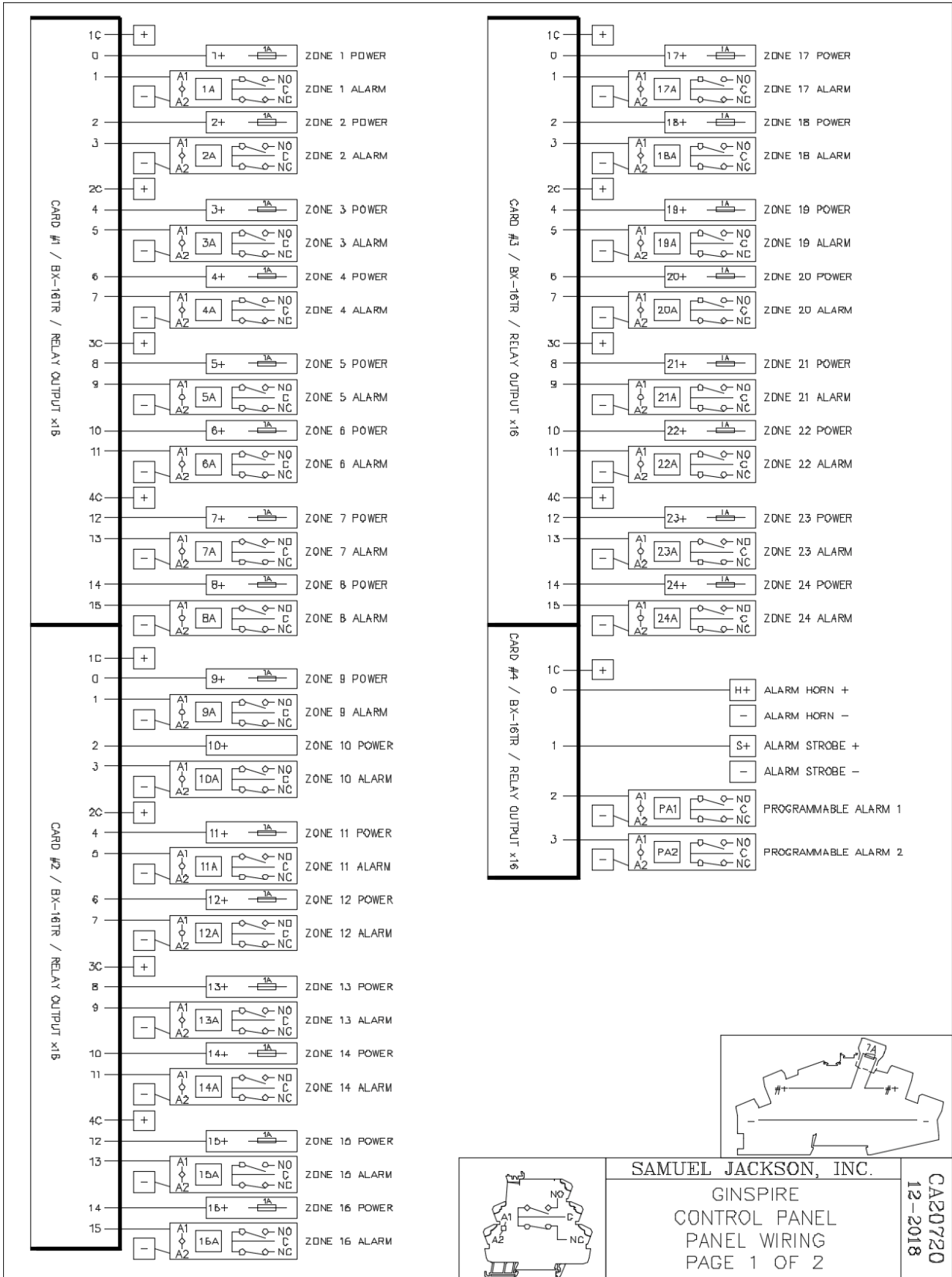
Control Panel Wiring

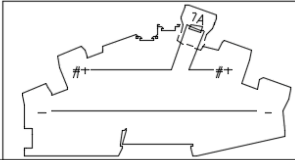
CORRESPONDS TO THE ZONE NUMBER



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EXTERNAL WIRING OF GINSPIRE	
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26303 GINSPIRE

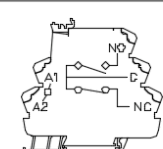


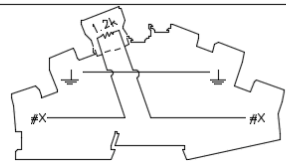
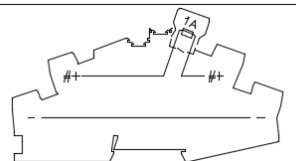
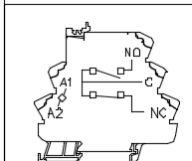
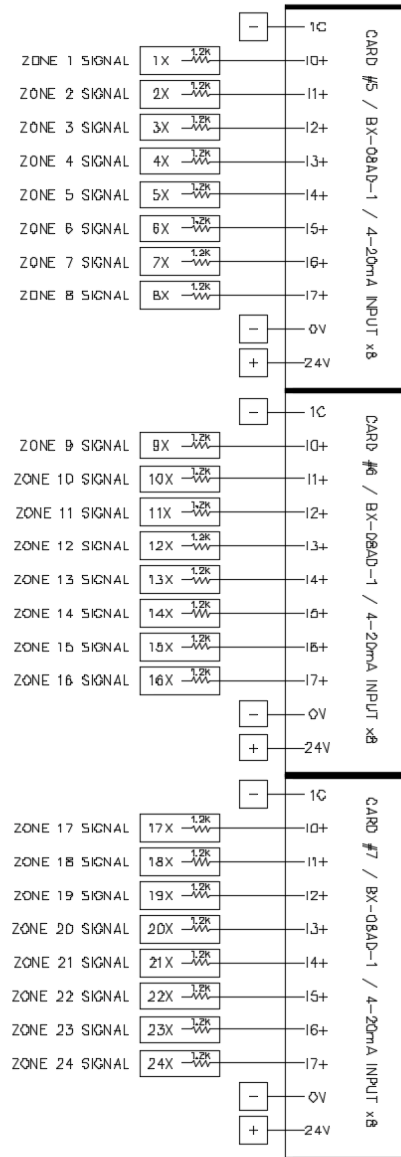
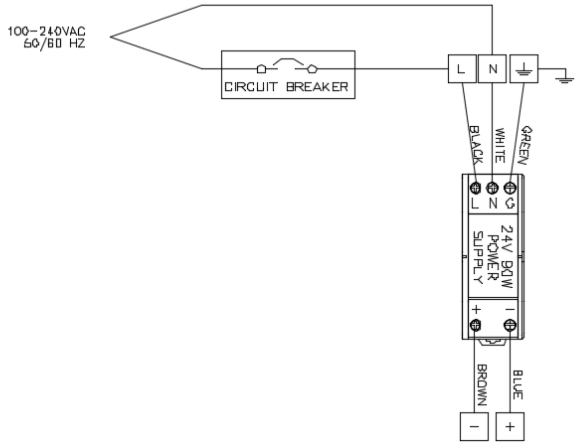
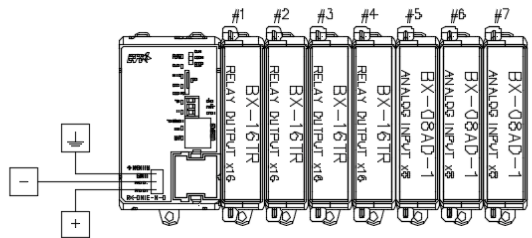


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GINSPIRE
CONTROL PANEL
PANEL WIRING
PAGE 1 OF 2

CARD 720
12-2018





SAMUEL JACKSON, INC.
 GINSPIRE
 CONTROL PANEL
 PANEL WIRING
 PAGE 2 OF 2

CA20721
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LIMITED WARRANTY

SAMUEL JACKSON, INCORPORATED

For Commercial and Industrial Customers of Samuel Jackson Moisture Control Products

SAMUEL JACKSON, INCORPORATED ("Sam Jackson") warrants to its customers who purchase Sam Jackson products that its equipment is free from defects in material and workmanship under normal use and service for 12 months from the date of shipment from its Lubbock, Texas factory.

THIS WARRANTY DOES NOT EXTEND TO EQUIPMENT SUBJECT TO MISUSE, NEGLIGENCE, OR ACCIDENT, NOR DOES THIS WARRANTY APPLY UNLESS THE PRODUCT COVERED BY IT IS PROPERLY INSTALLED BY A QUALIFIED, COMPETENT TECHNICIAN, WHO IS LICENSED WHERE STATE AND LOCAL CODES REQUIRE, AND WHO IS EXPERIENCED IN MAKING SUCH INSTALLATIONS.

Equipment, which is defective in material or workmanship and within the warranty period, will be repaired or replaced, at Sam Jackson's option, in order to facilitate proper operation.

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Sam Jackson neither assumes nor authorizes any person to assume for Sam Jackson any other liability or obligation in connection with the sale of this equipment. Sam Jackson's liability and Customer's exclusive remedy being limited to repair or replacement as set forth above.

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Electrical Controls and Your Safety

Your new Sam Jackson product may be equipped with electrical controls, or designed to interact with controls on a related Sam Jackson product.

In the event that local, state, federal or other specified safety compliance is required, we will consider modifications to meet the particular requirements. Implementation of alternative safety devices may incur additional charges. No warranty of compliance with a particular standard is made in the absence of specific reference to it in our quotation.

If you modify, or permit others to modify, these controls without specific written permission from Sam Jackson, Inc. the warranty on your product will be void and there is a possibility of serious damage to machinery, damage to product, serious injury to personnel, or death. The modifier of the controls assumes all liability for these consequences.

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