



AA

BB

CC

DD

EE

FF

01

02

03

04

05

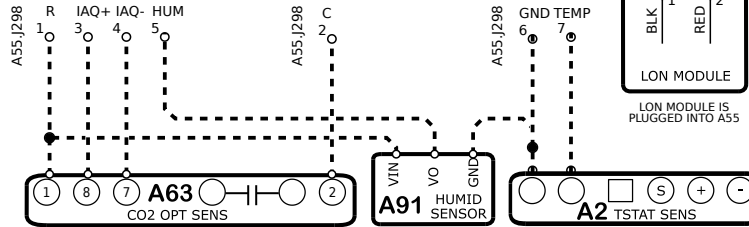
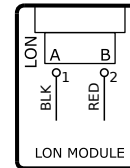
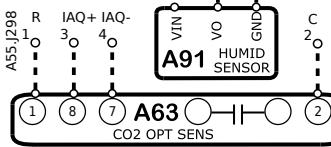
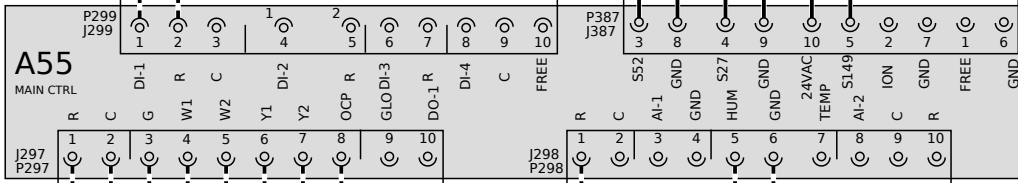
06

07

08

09

10



LonTalk CONNECTIONS WITH OPTIONAL IAQ AND HUMIDITY SENSOR

KEY LIST		
LOCATION		COMPONENT DESCRIPTION
FF05	A2	SENSOR, ELECTRONIC THERMOSTAT
AA03	A55	CONTROL BOARD, MAIN
DD04/05	A63	SENSOR, CO2 (IAQ)
DD04/05	A91	SENSOR, HUMIDITY
AA01	F/A	FIRE ALARM CONTACT
DD01	S27	SWITCH, FILTER
DD01	S52	SWITCH, AIRFLOW
EE01	S149	SWITCH, OVERFLOW ONE

	NOTES
1	P297-10 (SR) IS SERVICE RELAY OUTPUT (24VAC) IF USED CONNECT TO AN INDICATOR LIGHT
2	CORE CONTROLLER SETTINGS MUST BE MODIFIED WHEN S52, S27, S149 ARE INSTALLED
3	REMOVE JUMPER TO INSTALL S149

© 2019

Model: SC, SH, SG, SD Series RTU
Thermostat and LonTalk

Voltage: All Voltages

Supersedes: N/A Form No: 538391-02 Rev: 0

HEATING	COOLING	COOLING	ACCS	ACCS
SECTION A	SECTION B	SECTION B3/5	SECTION C	SECTION D

WIRING DIAGRAM FLOW

7x10
CUT
SIZE

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
0	CN-013234R	08-28-2025	RV	AC	ORIGINATED AT PD&R CARROLLTON, TX



AA

BB

CC

DD

EE

FF

01

02

03

04

05

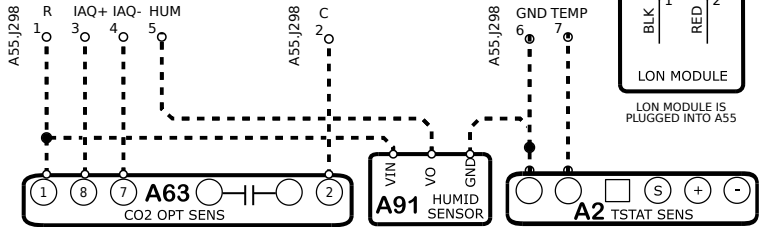
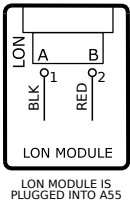
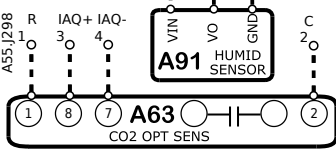
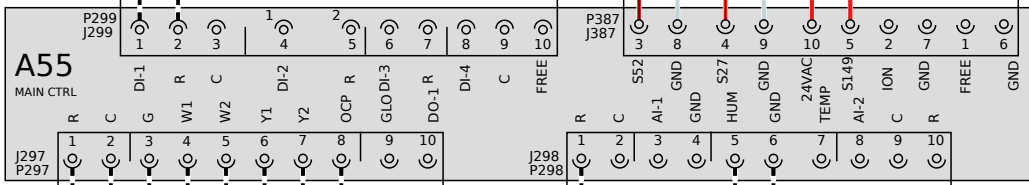
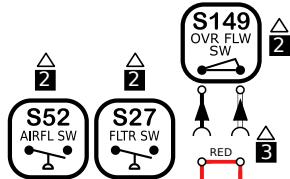
06

07

08

09

10



KEY LIST		
LOCATION		COMPONENT DESCRIPTION
FF05	A2	SENSOR, ELECTRONIC THERMOSTAT
AA03	A55	CONTROL BOARD, MAIN
DD04/05	A63	SENSOR, CO2 (IAQ)
DD04/05	A91	SENSOR, HUMIDITY
AA01	F/A	FIRE ALARM CONTACT
DD01	S27	SWITCH, FILTER
DD01	S52	SWITCH, AIRFLOW
EE01	S149	SWITCH, OVERFLOW ONE

	NOTES
1	P297-10 (SR) IS SERVICE RELAY OUTPUT (24VAC) IF USED CONNECT TO AN INDICATOR LIGHT
2	CORE CONTROLLER SETTINGS MUST BE MODIFIED WHEN S52, S27, S149 ARE INSTALLED
3	REMOVE JUMPER TO INSTALL S149

Model: SC, SH, SG, SD Series RTU
Thermostat and LonTalk

Voltage: All Voltages

Supersedes: N/A

Form No: 538391-02 Rev: 0

HEATING	COOLING	COOLING	ACCS	ACCS
SECTION A	SECTION B	SECTION B3/5	SECTION C	SECTION D

WIRING DIAGRAM FLOW

7x10
CUT
SIZE

REV	EC NO.	DATE	BY	APVD	REVISION NOTE
0	CN-013234R	08-28-2025	RV	AC	ORIGINATED AT PD&R CARROLLTON, TX