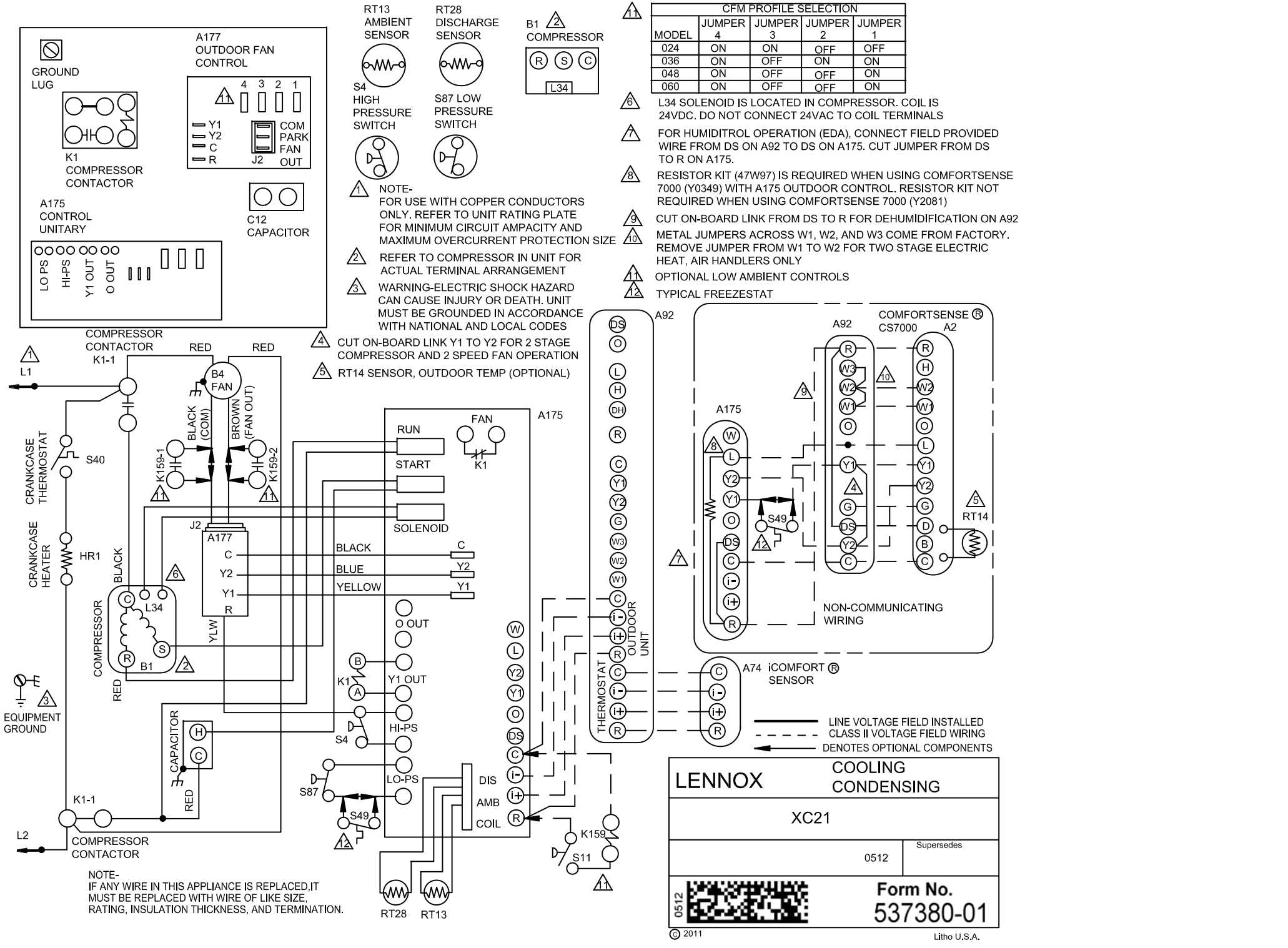
GROUND LUG
A177 OUTDOOR FAN CONTROL
4 3 2 1
Y1
Y2
C
R
J2
COM PARK FAN OUT
K1 COMPRESSOR CONTACTOR
A175 CONTROL UNITARY
LO PS
HI-PS
Y1 OUT
O OUT
C12 CAPACITOR
RT13 AMBIENT SENSOR
RT28 DISCHARGE SENSOR
B1 COMPRESSOR
R S C
L34
S4 HIGH PRESSURE SWITCH
S87 LOW PRESSURE SWITCH
NOTE- FOR USE WITH COPPER CONDUCTORS ONLY. REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE
REFER TO COMPRESSOR IN UNIT FOR ACTUAL TERMINAL ARRANGEMENT
WARNING-ELECTRIC SHOCK HAZARD CAN CAUSE INJURY OR DEATH. UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES
CUT ON-BOARD LINK Y1 TO Y2 FOR 2 STAGE COMPRESSOR AND 2 SPEED FAN OPERATION
RT14 SENSOR, OUTDOOR TEMP (OPTIONAL)
CFM PROFILE SELECTION
MODEL | JUMPER 4 | JUMPER 3 | JUMPER 2 | JUMPER 1
024 | ON | ON | OFF | OFF
036 | ON | OFF | ON | ON
048 | ON | OFF | OFF | ON
060 | ON | OFF | OFF | ON
L34 SOLENOID IS LOCATED IN COMPRESSOR. COIL IS 24VDC. DO NOT CONNECT 24VAC TO COIL TERMINALS
FOR HUMIDITROL OPERATION (EDA), CONNECT FIELD PROVIDED WIRE FROM DS ON A92 TO DS ON A175. CUT JUMPER FROM DS TO R ON A175.
RESISTOR KIT (47W97) IS REQUIRED WHEN USING COMFORTSENSE 7000 (Y0349) WITH A175 OUTDOOR CONTROL. RESISTOR KIT NOT REQUIRED WHEN USING COMFORTSENSE 7000 (Y2081)
CUT ON-BOARD LINK FROM DS TO R FOR DEHUMIDIFICATION ON A92
METAL JUMPERS ACROSS W1, W2, AND W3 COME FROM FACTORY. REMOVE JUMPER FROM W1 TO W2 FOR TWO STAGE ELECTRIC HEAT, AIR HANDLERS ONLY
OPTIONAL LOW AMBIENT CONTROLS
TYPICAL FREEZESTAT
COMPRESSOR CONTACTOR K1-1
L1
L2
B4 FAN
BLACK (COM)
BROWN (FAN OUT)
K159-1
K159-2
CRANKCASE THERMOSTAT
S40
CRANKCASE HEATER
HR1
COMPRESSOR
L34
B1
CAPACITOR
EQUIPMENT GROUND
RUN
START
SOLENOID
FAN
K1
A175
J2
A177
C
Y2
Y1
R
BLACK
BLUE
YELLOW
YLW
O OUT
Y1 OUT
HI-PS
LO-PS
S4
S87
S49
DIS
AMB
COIL
K159
S11
RT28
RT13
A92
DS
O
L
H
DH
R
C
Y1
Y2
G
W3
W2
W1
i-
i+
THERMOSTAT
OUTDOOR UNIT
A175
W
L
Y2
Y1
O
DS
C
i-
i+
R
S49
NON-COMMUNICATING WIRING
A92
COMFORTSENSE ® CS7000
A2
W3
W2
W1
O
L
Y1
Y2
G
DS
C
D
B
RT14
A74 iCOMFORT ® SENSOR
LINE VOLTAGE FIELD INSTALLED
CLASS II VOLTAGE FIELD WIRING
DENOTES OPTIONAL COMPONENTS
NOTE- IF ANY WIRE IN THIS APPLIANCE IS REPLACED,IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING, INSULATION THICKNESS, AND TERMINATION.
LENNOX
COOLING CONDENSING
XC21
0512
Supersedes
Form No. 537380-01
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