

Residential New Construction

Diagram 100	Gas/Electric Equipment with 1H/1C. One wired temperature sensor in the bedroom hallway.
Diagram 101	Gas/Electric Equipment with 1H/1C. Two wired temperature sensors with one sensor in the master bedroom and the second in the bedroom hallway.
Diagram 102	Gas/Electric or Heat Pump Equipment with 2H/1C or 1H/2C. One wired temperature sensor in the bedroom hallway.
Diagram 103	Gas/Electric or Heat Pump Equipment with 2H/1C or 1H/2C. One wired temperature sensor in the bedroom hallway. WiFi thermostat for home connectivity.
Diagram 104	Gas/Electric or Heat Pump Equipment with 2H/1C or 1H/2C. Two wired temperature sensors with one sensor in the master bedroom and the second sensor in the bedroom hallway. WiFi thermostat for home connectivity.
Diagram 105	Using multiple dampers to define the sleeping or living spaces.

Replacement and Add-On

Diagram 200	Gas/Electric Equipment with 1H/1C. One wired temperature sensor in the bedroom hallway.
Diagram 201	Gas/Electric Equipment with 1H/1C. Two wired temperature sensors with one sensor in the master bedroom hallway and the second sensor in the bedroom hallway .
Diagram 202	Gas/Electric Equipment with 1H/1C. One wired temperature sensor in the bedroom hallway . WiFi thermostat for home connectivity.
Diagram 203	Gas/Electric Equipment with 1H/1C. One wireless, battery powered temperature sensor in the bedroom hallway . Wireless temperature sensor eliminates adding any new wiring in the sleeping or living space.
Diagram 204	Using multiple Plug and Play dampers to define the sleeping and living spaces

	C365T11	C365T21	C365T21WF	C365C32	C365C32WF	WH11	WH32
G/E with 1H/1C	Yes	Yes	Yes	Yes	Yes	Yes	Yes
G/E or HP with 2H/1C	No	Yes	Yes	Yes	Yes	No	Yes
G/E or HP with 1H/2C	No	Yes	Yes	Yes	Yes	No	Yes
G/E or HP with 2H/2C Conv or Dual Fuel HP	No	No	No	Yes	Yes	No	Yes
WiFi Connectivity	No	No	Yes	No	Yes	NA	NA
1 or 2 Wired Sensors	Yes	Yes	Yes	NA	NA	Yes	Yes
1 or 2 Wireless Sensors	No	No	No	NA	NA	Yes	Yes

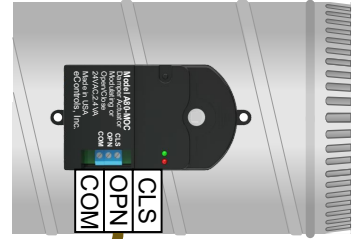
Equipment: Gas/Electric, 1Heat/1Cool

Notes: One Wired Temperature Sensor in the Sleeping Space

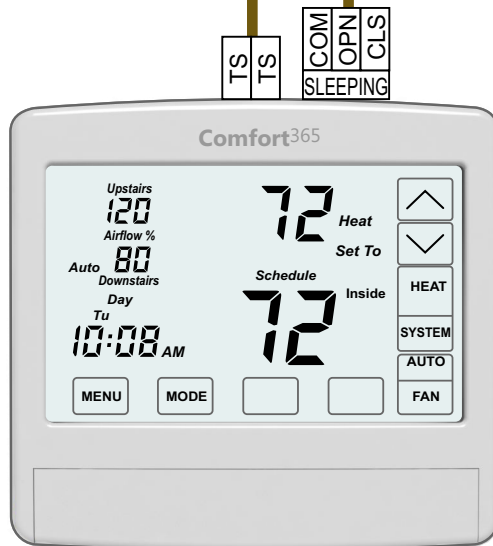
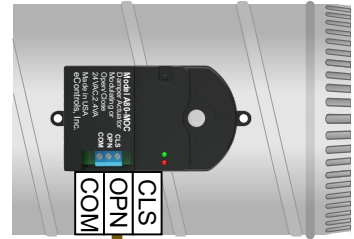
Temperature Sensor
Model TS510W
Installed in Upstairs/Sleeping Space



Modulating Damper
Damper with Actuator Model R80CT-XX
Controlling Upstairs/Sleeping Space Airflow



Modulating Damper
Damper with Actuator Model R80CT-XX
Controlling Downstairs/Living Space Airflow

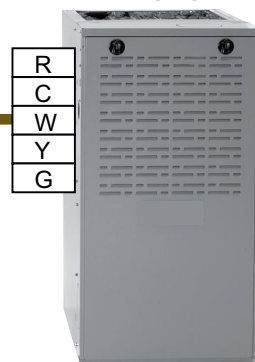


Comfort365 Thermostat
Model C365T11
Installed in the Downstairs Living Space

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LIVING
COM
OPN
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HVAC Equipment



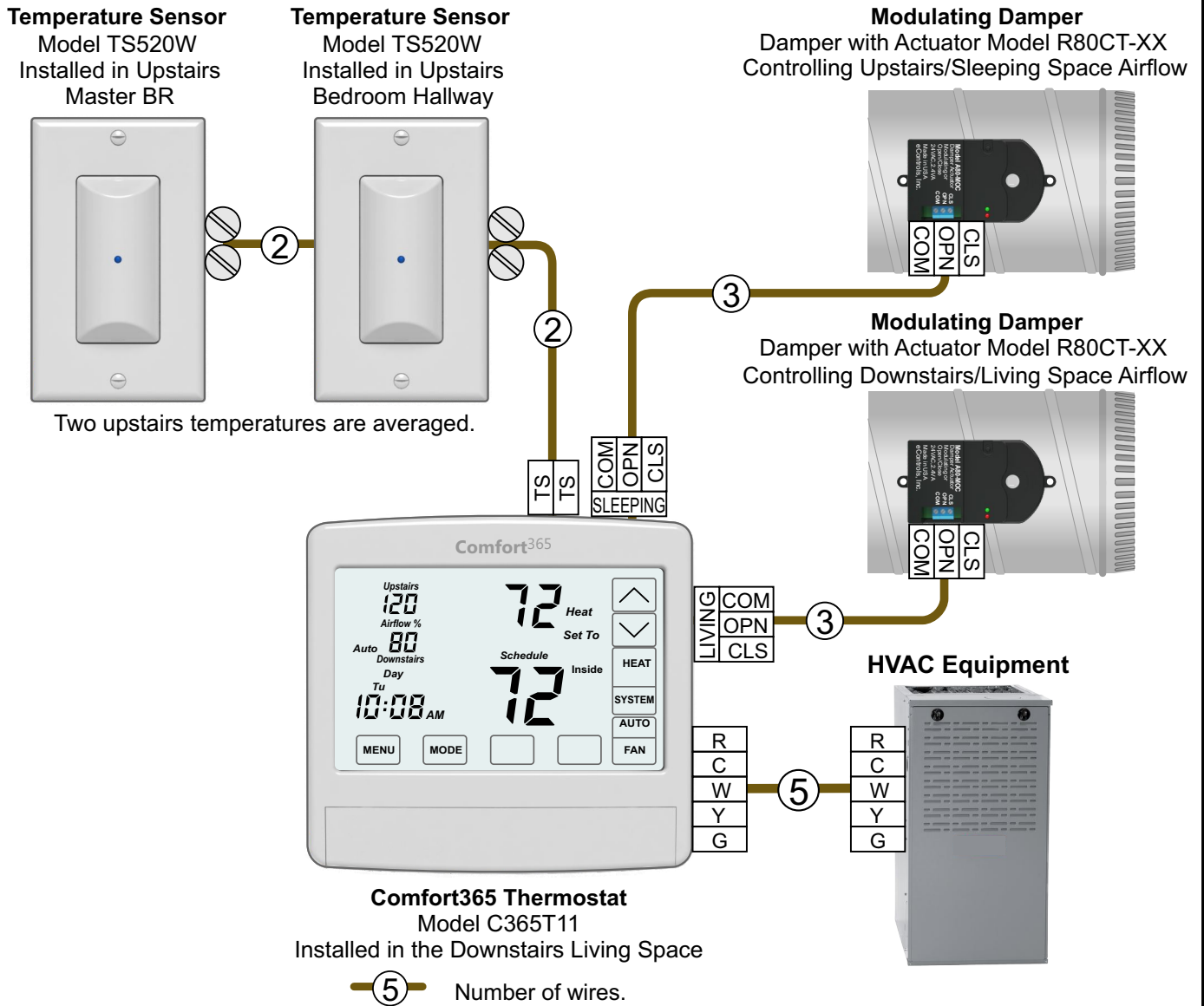
⑤ Number of wires.

Part Number	Description	Quantity
C365T11	Comfort365 Programmable Thermostat with Airflow Control, Gas/Electric equipment, 1Heat/1Cool.	1
TS510W	Temperature Sensor with Switch Plate for Single Sensor Installation.	1
R80CT-	Damper with Modulating 3-Wire Actuator, Controls Airflow to Sleeping Space. -inch Diameter.	1
R80CT-	Damper with Modulating 3-Wire Actuator, Controls Airflow to Living Space. -inch Diameter.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: Gas/Electric, 1Heat/1Cool

Notes: Temperature Sensors installed in Master Bedroom and Bedroom Hallway

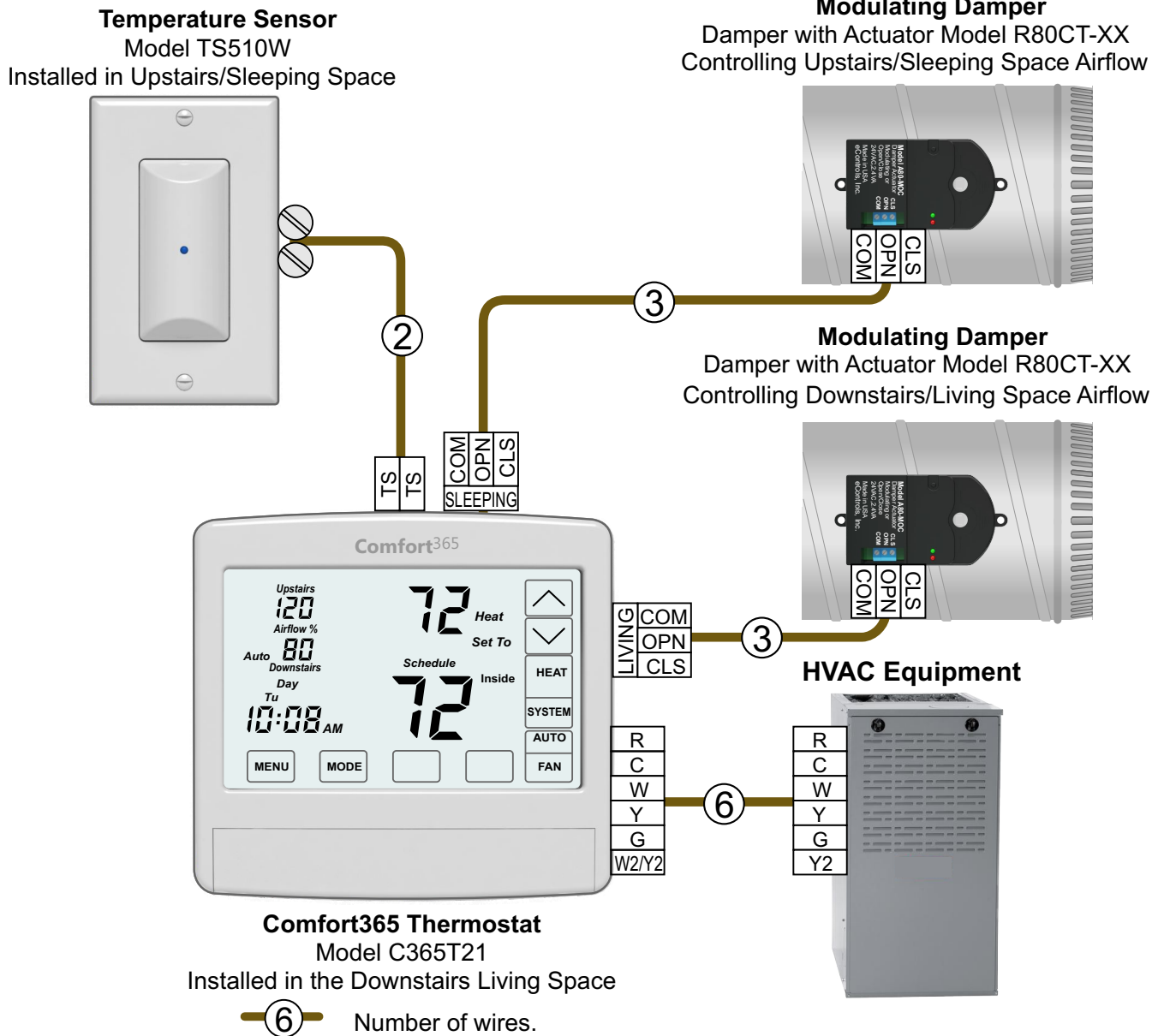


Part Number	Description	Quantity
C365T11	Comfort365 Programmable Thermostat with Airflow Control, Gas/Electric equipment, 1Heat/1Cool.	1
TS520W	Temperature Sensor with Switch Plate for Dual Sensor Installation. Install in master bedroom.	1
TS520W	Temperature Sensor with Switch Plate for Dual Sensor Installation. Install in bedroom hallway.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Sleeping Space.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Living Space.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: Gas/Electric or Heat Pump, 2Heat/1Cool or 1Heat/2Cool

Notes: One Wired Temperature Sensor in the Sleeping Space



Part Number	Description	Quantity
C365T21	Comfort365 Programmable Thermostat with Airflow Control, Gas/Electric or Heat Pump equipment, 2Heat/1Cool or 1Heat/2Cool.	1
TS510W	Temperature Sensor with Switch Plate for Single Sensor Installation. Install in bedroom hallway.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Sleeping Space.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Living Space.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

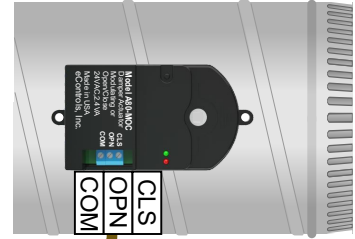
Equipment: Gas/Electric or Heat Pump, 2Heat/1Cool or 1Heat/2Cool

Notes: One Temperature Sensor and WiFi Thermostat for Internet Connectivity.

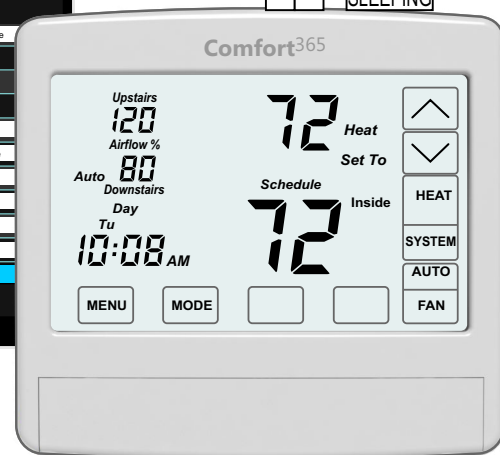
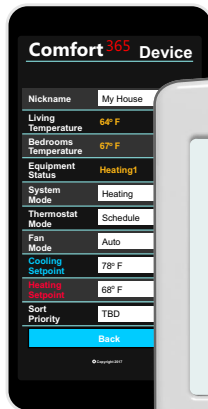
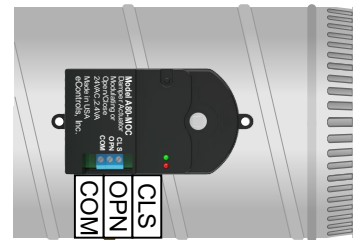
Temperature Sensor
Model TS510W
Installed in Upstairs/Sleeping Space



Modulating Damper
Damper with Actuator Model R80CT-XX
Controlling Upstairs/Sleeping Space Airflow



Modulating Damper
Damper with Actuator Model R80CT-XX
Controlling Downstairs/Living Space Airflow



Comfort365 Thermostat
Model C365T21WF
Installed in the Downstairs Living Space

⑥ Number of wires.

③
⑥

HVAC Equipment

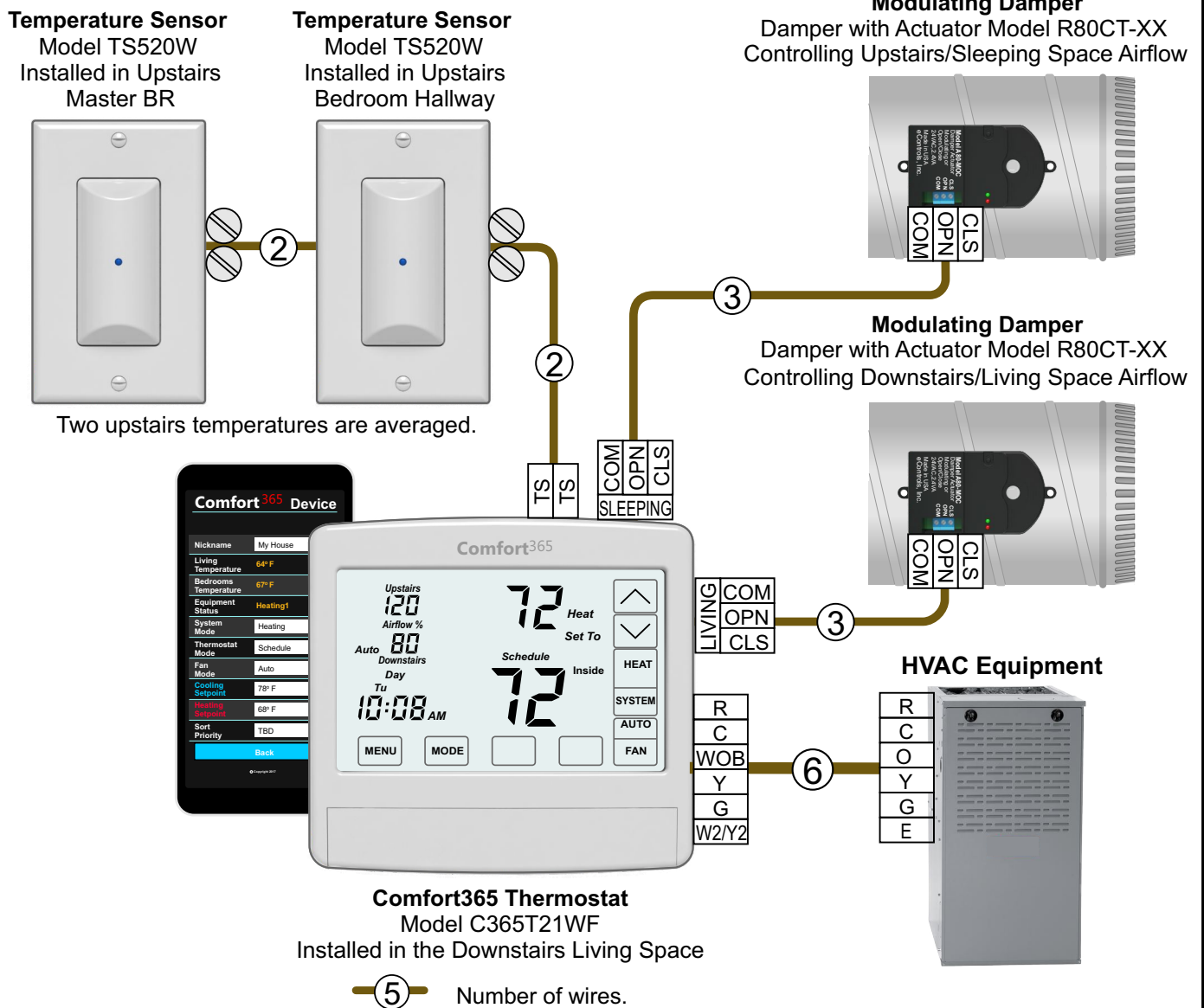
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Part Number	Description	Quantity
C365T21WF	Comfort365 Programmable WiFi Thermostat with Airflow Control, Gas/Electric or Heat Pump equipment, 2Heat/1Cool or 1Heat/2Cool.	1
TS510W	Temperature Sensor with Switch Plate for Single Sensor Installation. Install in bedroom hallway.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Sleeping Space.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Living Space.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: Gas/Electric or Heat Pump, 2Heat/1Cool or 1Heat/2Cool

Notes: Two Temperature Sensors and WiFi Thermostat for Internet Connectivity.

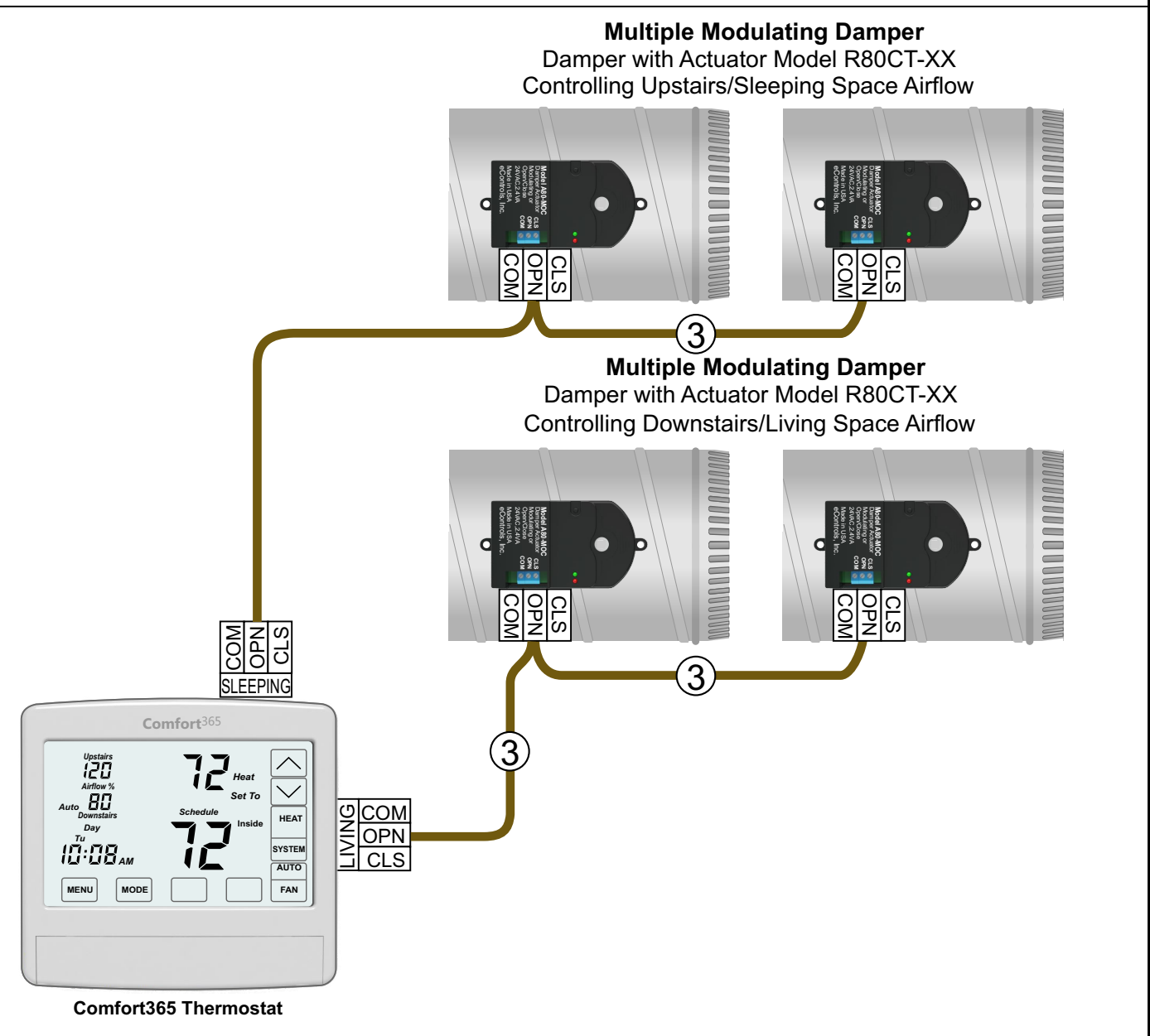


Part Number	Description	Quantity
C365T21WF	Comfort365 Programmable WiFi Thermostat with Airflow Control, Gas/Electric or Heat Pump equipment, 2Heat/1Cool or 1Heat/2Cool.	1
TS520W	Temperature Sensor with Switch Plate for Dual Sensor Installation. Installed in master bedroom.	1
TS520W	Temperature Sensor with Switch Plate for Dual Sensor Installation. Installed in bedroom hallway.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Sleeping Space.	1
R80CT-	Damper with Modulating 3-Wire Actuator, -inch Diameter. Controls Airflow to Living Space.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: na

Notes: Using Multiple Wired Dampers to Define a Space

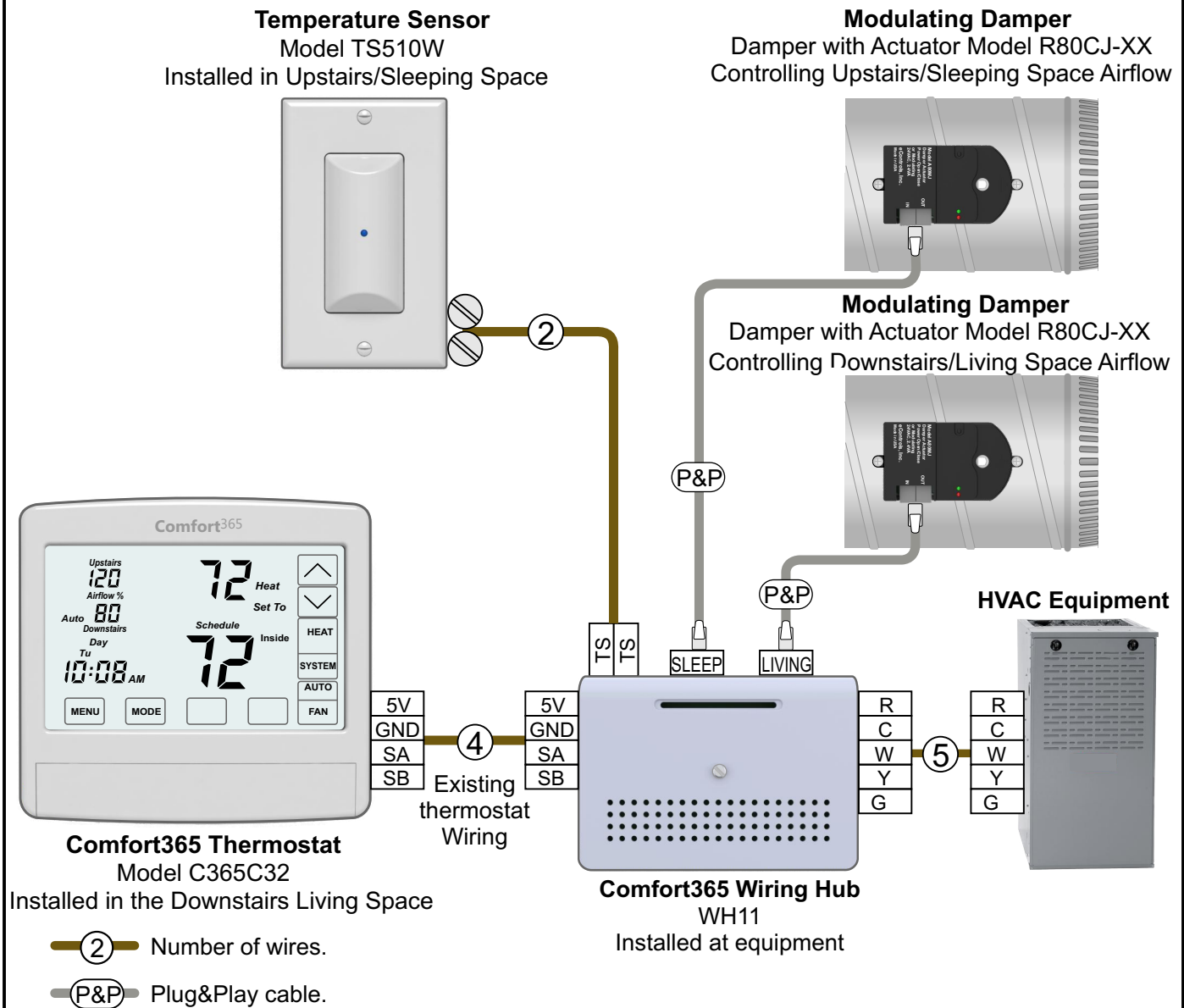


Part Number	Description	Quantity
R80CT-	Damper with Modulating 3-Wire Actuator, Controls Airflow to Sleeping Space. -inch Diameter.	1
R80CT-	Damper with Modulating 3-Wire Actuator, Controls Airflow to Sleeping Space. -inch Diameter.	1
R80CT-	Damper with Modulating 3-Wire Actuator, Controls Airflow to Living Space. -inch Diameter.	1
R80CT-	Damper with Modulating 3-Wire Actuator, Controls Airflow to Living Space. -inch Diameter.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: Gas/Electric, 1Heat/1Cool

Notes: Single Wired Temperature Sensor



Part Number	Description	Quantity
C365C32	Comfort365 Programmable Communicating Thermostat with Airflow Control, Gas/Electric or Heat Pump equipment, 3Heat/2Cool.	1
WH11	Wiring Hub, Gas/Electric , 1Heat/1Cool.	1
TS510W	Temperature Sensor with Switch Plate for Single Sensor Wired Installation. Install in bedroom hallway.	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Sleeping Space. Cable included with damper,	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Living Space. Cable included with damper,.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: Gas/Electric, 1Heat/1Cool

Notes: Dual Wired Temperature Sensor

Temperature Sensor

Model TS520W
Installed in
bedroom Hallway

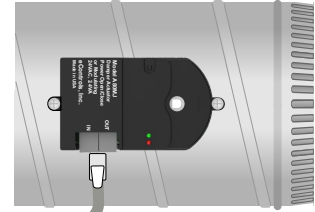


Temperature Sensor
Model TS520W
Installed in Master BR



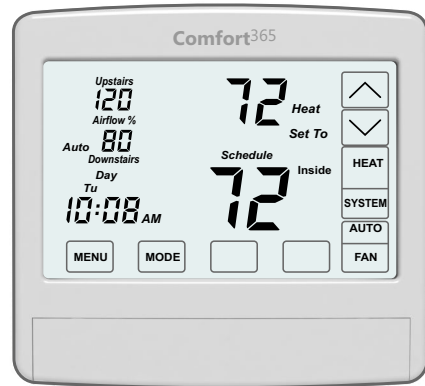
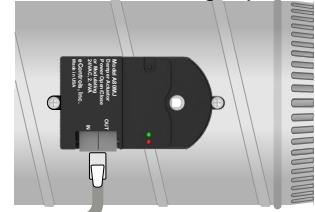
Modulating Damper

Damper with Actuator Model R80CJ-XX
Controlling Upstairs/Sleeping Space Airflow



Modulating Damper

Damper with Actuator Model R80CJ-XX
Controlling Downstairs/Living Space Airflow



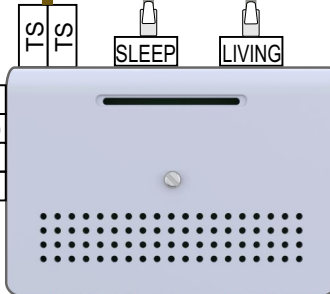
Comfort365 Thermostat
Model C365C32

Installed in the Downstairs Living Space

- ② Number of wires.
- P&P Plug&Play cable.

5V
GND
SA
SB
④
Existing
thermostat
Wiring

5V
GND
SA
SB



Comfort365 Wiring Hub
WH11
Installed at equipment

P&P

P&P

HVAC Equipment

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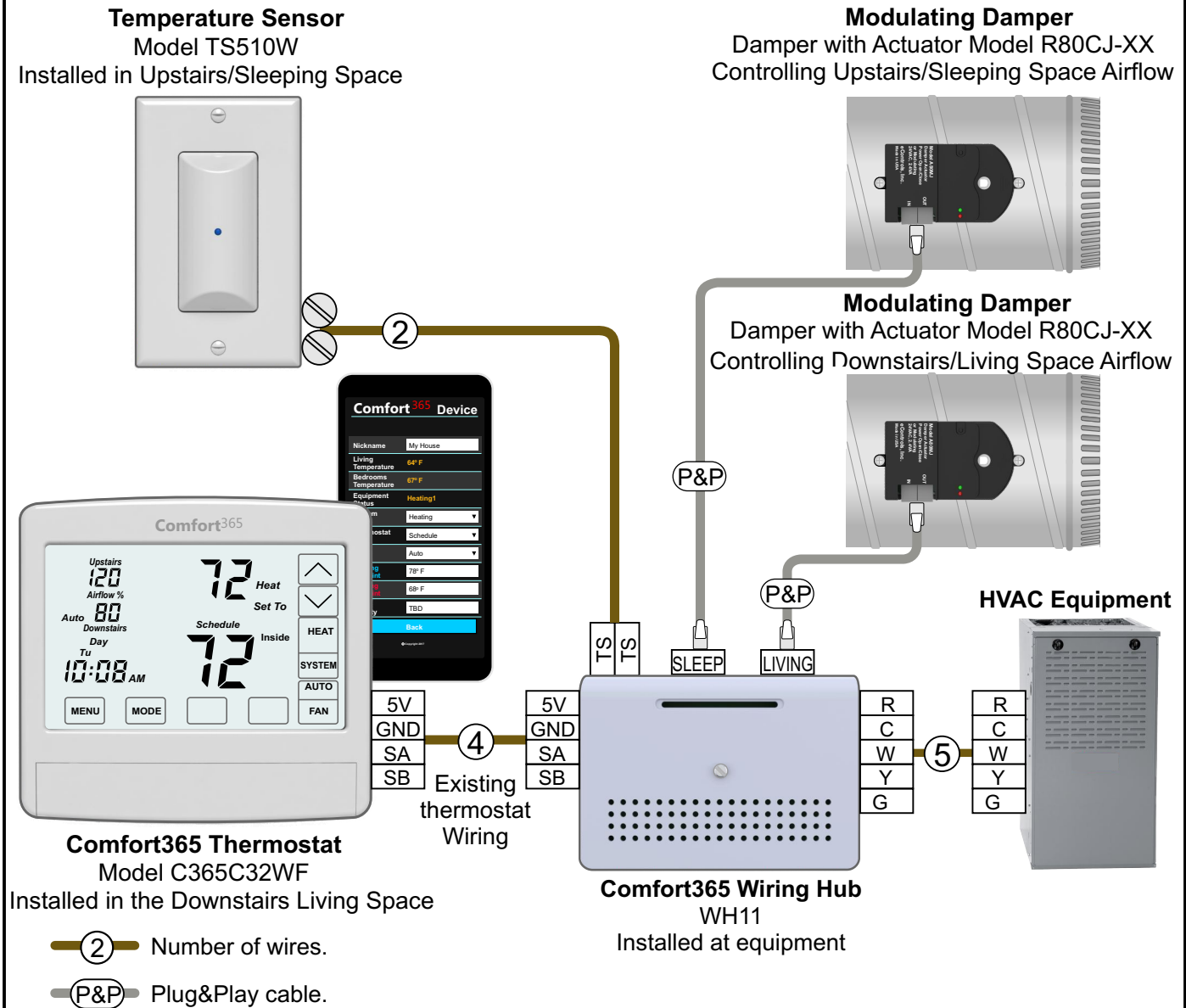
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Part Number	Description	Quantity
C365C32	Comfort365 Programmable Communicating Thermostat with Airflow Control, Gas/Electric or Heat Pump equipment, 2Heat/2Cool.	1
WH11	Wiring Hub, Gas/Electric , 1Heat/1Cool.	1
TS520W	Temperature Sensor with Switch Plate for Dual Sensor Wired Installation.	1
TS520W	Temperature Sensor with Switch Plate for Dual Sensor Wired Installation.	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Sleeping Space. Cable included with damper,	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Living Space. Cable included with damper,.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: Gas/Electric, 1Heat/1Cool

Notes: Single Wired Temperature Sensor with WiFi Thermostat

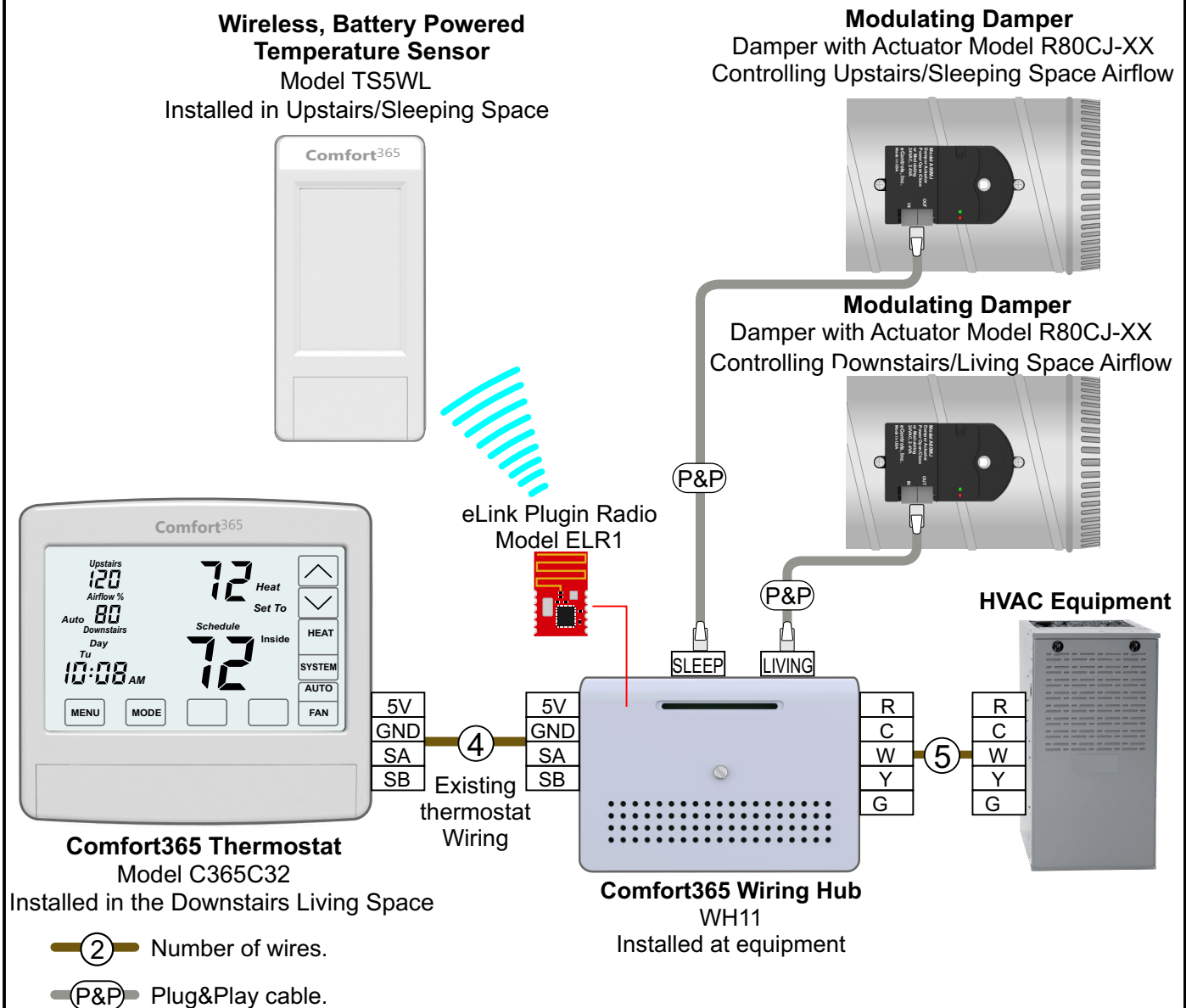


Part Number	Description	Quantity
C365C32WF	Comfort365 Programmable Communicating WiFi Thermostat with Airflow Control, Gas/Electric or Heat Pump equipment, 2Heat/2Cool.	1
WH11	Wiring Hub, Gas/Electric , 1Heat/1Cool.	1
TS510W	Temperature Sensor with Switch Plate for Single Sensor Wired Installation.	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Sleeping Space. Cable included with damper,	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Living Space. Cable included with damper.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: Gas/Electric, 1Heat/1Cool

Notes: Single Wireless, Battery Powered Temperature Sensor

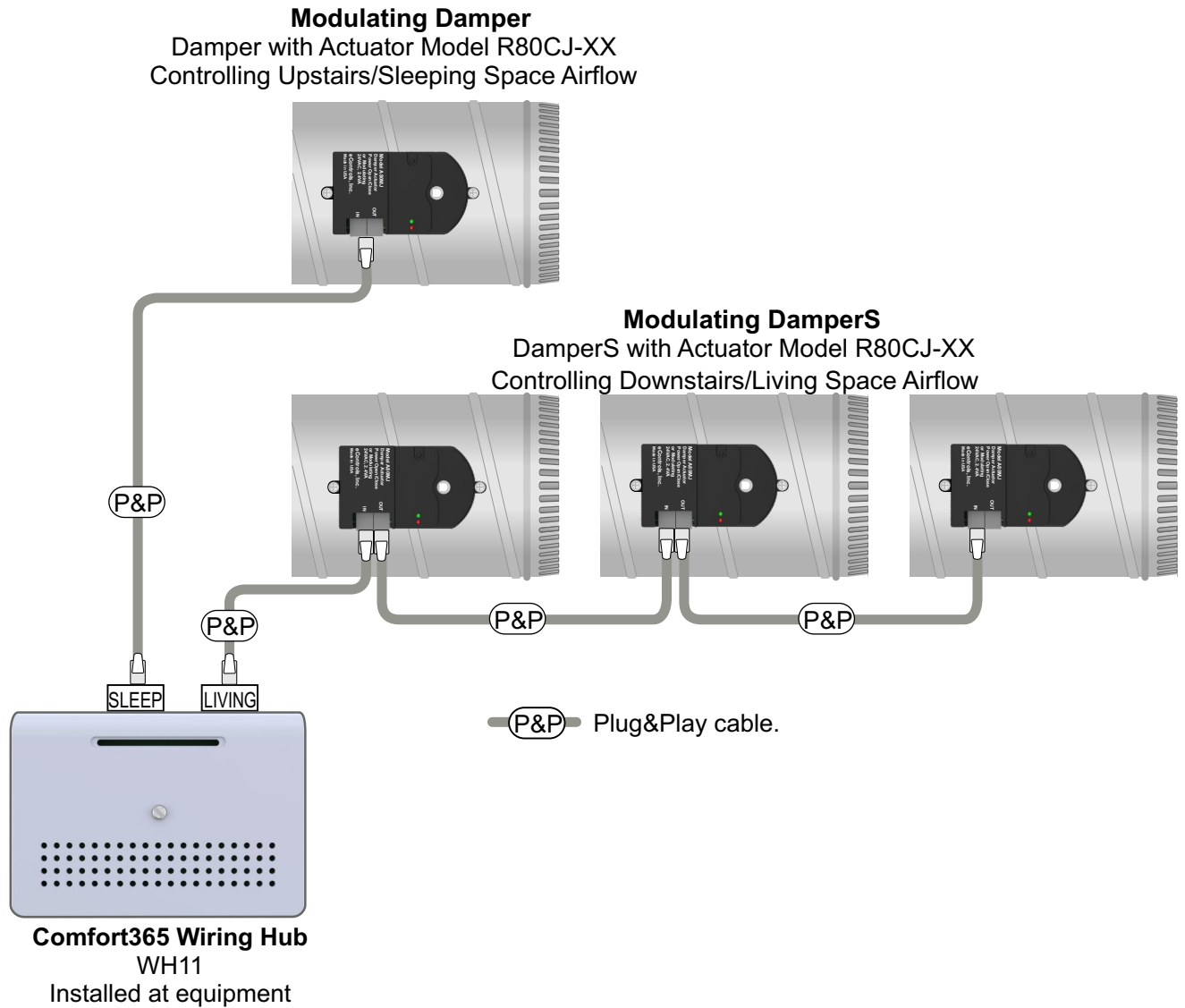


Part Number	Description	Quantity
C365C32	Comfort365 Programmable Communicating Thermostat with Airflow Control, Gas/Electric or Heat Pump equipment, 3Heat/2Cool.	1
WH11	Wiring Hub, Gas/Electric , 1Heat/1Cool.	1
TS5WL	Wireless, Battery Powered, Temperature Sensor for Single or Dual Sensor Wireless Installation.	1
ELR1	eLink Radio Module for use with Wireless Temperature Sensor. Plugs into Wiring Hub.	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Sleeping Space. Cable included with damper,	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Living Space. Cable included with damper,.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.

Equipment: na

Notes: Using Multiple Plug and Play Dampers to Define a Space



Part Number	Description	Quantity
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Sleeping Space. Cable included with damper,	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Living Space. Cable included with damper,.	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Living Space. Cable included with damper,.	1
R80CJ-	Damper with Modulating Plug and Play Actuator, -inch Diameter. Controls Airflow to Living Space. Cable included with damper,.	1

Insert 2-digit number after damper model number and in the description indicating the damper diameter.