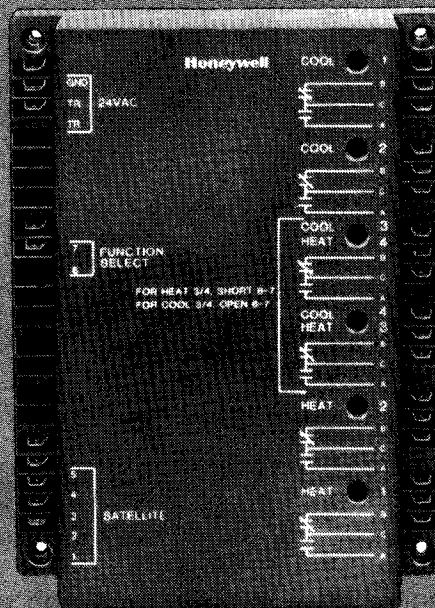


Honeywell

SATELLITE SEQUENCER

PROVIDES UP TO 6 ADDITIONAL STAGES OF HEATING/COOLING CONTROL FOR W7100 DISCHARGE AIR CONTROLLER APPLICATIONS.

- ☐ Extends capacity of W7100 Discharge Air Control System.
- ☐ Advanced microprocessor control algorithm minimizes droop.
- ☐ For system with or without economizer.
- ☐ Jumper selectable between 4 cool/2 heat or 2 cool/4 heat stages.
- ☐ LED's indicate operation of each output stage relay.



W7101A

epc
Energy Products Center

N.J.
4-82•

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Form No.
63-2119

SPECIFICATIONS

MODELS:

W7101A—Adds control of up to 6 stages to W7100 Discharge Air Controller. Select between 4 cool/2 heat or 2 cool/4 heat stages of additional control.

ELECTRICAL RATINGS: NOTE: W7101A MUST BE CONNECTED to same power transformer that supplies the companion W7100 controller.

Input Voltage and Frequency (terminals TR-TR)—20 to 30 Vac at 60 Hz (20 to 26.4 Vac at 50 Hz).

Power Consumption—7 VA at 24 Vac 60 Hz, 9 VA at 24 Vac 50 Hz.

CONTACT RATING—

CONTACT	VOLTAGE (V)	INRUSH (VA)	RUNNING (VA)
N.O.	24	240	60
N.C.	24	75	30
N.O.	120/240	750	75
N.C.	120/240	240	40

WIRING TERMINALS: 1/4 in. male quick-connects.

AMBIENT TEMPERATURE RANGE: Minus 40 F to plus 150 F [minus 40 C to plus 66 C].

MOUNTING: Four mounting holes in base accept No. 8 screws (screws not provided).

DIMENSIONS: See Fig. 1.

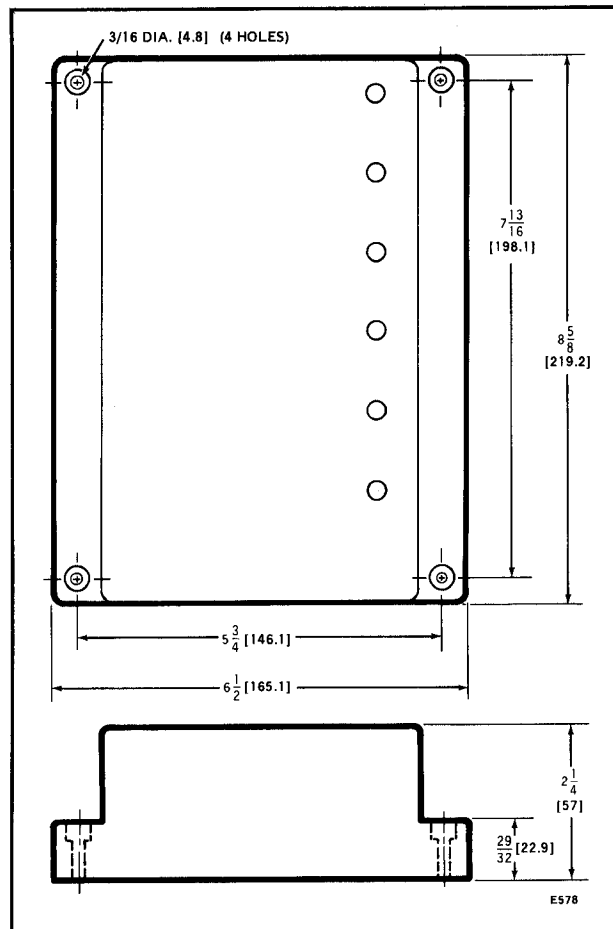


FIG. 1—W7101A MOUNTING DIMENSIONS.

ORDERING INFORMATION

WHEN PURCHASING REPLACEMENT AND MODERNIZATION PRODUCTS, USE COMPLETE ORDERING NUMBER, AND SPECIFY—

1. Order number.
2. Accessories, if desired.
3. Order additional system components and system accessories separately.

IF YOU HAVE ADDITIONAL QUESTIONS, NEED FURTHER INFORMATION OR WOULD LIKE TO COMMENT ON OUR PRODUCTS OR SERVICES, PLEASE WRITE OR PHONE:

1. YOUR LOCAL HONEYWELL RESIDENTIAL GROUP SALES OFFICE (CHECK WHITE PAGES OF YOUR PHONE DIRECTORY).

2. RESIDENTIAL GROUP CUSTOMER SERVICE
HONEYWELL INC., 1885 DOUGLAS DRIVE NORTH
MINNEAPOLIS, MINNESOTA 55422 (612)542-7500

(IN CANADA—HONEYWELL LIMITED/HONEYWELL LIMITEE, 740 ELLESMERE ROAD, SCARBOROUGH, ONTARIO M1P 2V9) INTERNATIONAL SALES AND SERVICE OFFICES IN ALL PRINCIPAL CITIES OF THE WORLD.

INSTALLATION

WHEN INSTALLING THIS PRODUCT...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation. See W7100 instruction sheet.

CAUTION

1. Disconnect power supply before making connections to avoid electrical shock or equipment damage.
2. When the W7100 is used in a system with multiple compressors, each compressor must be running before cylinder unloaders are activated to load any compressor. *Hot gas bypass controls must be applied to each compressor.* Following these recommendations will help to prevent compressor slugging and will maintain the seasonal operating efficiency at the highest possible EER.

WARNING

This equipment generates, uses and can radiate radio frequency energy. If this equipment is not installed and used in accordance with the instruction manual, it may cause interference to radio and television reception. It has been tested and found to comply with the limits for a Class B computing device pertinent to subpart J of part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient the receiving antenna.
- Relocate the receiver with respect to the device.

LOCATION AND MOUNTING

Choose a location for the W7100 Satellite Sequencer that is not exposed to the weather, and where controls and connections are accessible. Mount the controller with four No. 8 screws through the mounting holes in the base. See Fig. 1.

Mount other control system components according to instructions packed with the individual units.

WIRING

Disconnect power supply before making connections to avoid electrical shock or equipment damage. All wiring must comply with local codes and ordinances. Refer to Fig. 2 for connections to W7100 Discharge Air Controller.

ADDITIONAL STAGES WITH THE W7101

Control of up to 6 additional stages of on-off heating or cooling can be provided by adding a W7101A Satellite Sequencer to the W7100 system. The W7101A can provide either 2 heat/4 cool, or 4 heat/2 cool stages, selected by a jumper at terminals 6 and 7 (Function Select) on the W7101A. With the jumper installed across terminals 6 and 7, an additional 4 heat/2 cool stages are provided. No jumper across terminals 6 and 7 provides an additional 2 heat/4 cool stages of control in a W7100 system.

SETTING NUMBER OF CONTROLLED STAGES

A fixed resistor is installed across the number of stages input (terminals 7 and 8) on the W7100 Logic Panel. The resistor value tells the W7100 how many stages of heating and cooling are to be controlled. This affects the control behavior and determines how many stages the W7100 will turn on and off.

A 400 or 600 ohm resistor is factory installed on terminals 7 and 8 of the W7100. This corresponds to the value for controlling 4 or 6 stages of heating or 4 or 6 stages of cooling. If the system being installed has more or fewer stages of heating and cooling, this resistor must be changed to the value shown in Table 2. These resistors are contained in Bag Assembly 4074EFV, available separately. The new value will represent the actual number of switched heating/cooling stages operating under control of the W7100. This includes any stages on a W7101A Sequencer connected to the W7100 control. Refer to table on page 5.

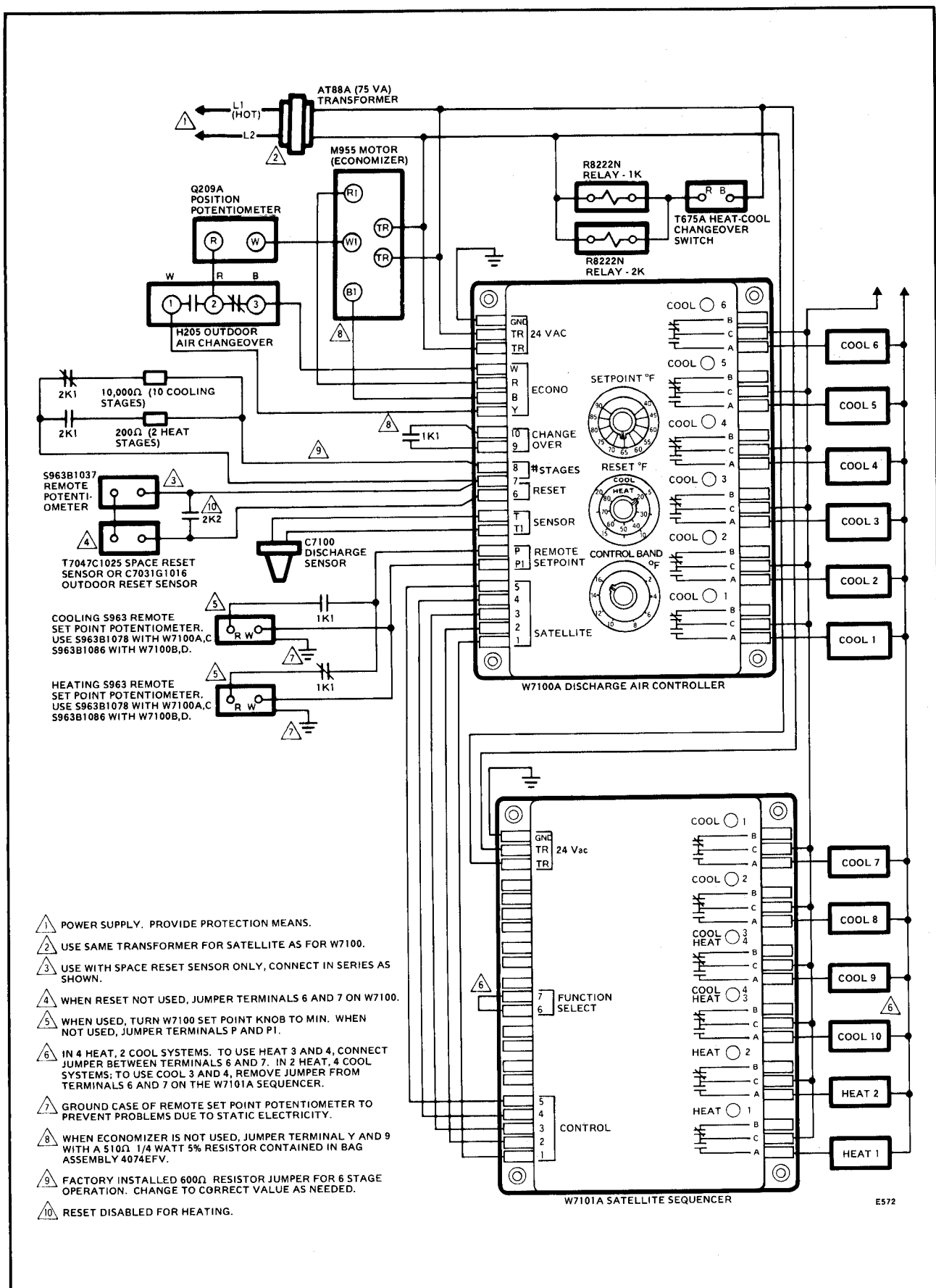


FIG. 2—CONNECTIONS IN W7100 HEATING/COOLING SYSTEM (W7100A shown) WITH W7101A SATELLITE SEQUENCER.

NUMBER OF STAGES CONTROLLED BY RESISTOR ON W7100.

TOTAL NO. OF HEATING OR COOLING STAGES	RESISTANCE IN OHMS $\pm 1\%$ ACROSS TERMINALS 7 AND 8^a	4074EFV BAG ASSY WIRE COLORS^b	FACTORY INSTALLED ON MODEL NO.
1 (W7100 only)	100	Blue	—
2 (W7100 only)	200	Red	—
3 (W7100 only)	301	Yellow	—
4 (W7100 only)	402	Brown	W7100C,E
5 (W7100 only)	499	Green	—
6 (W7100 only)	600	—	W7100A,B
7 (W7100 and W7101A)	698	Orange	—
8 (W7100 and W7101A)	806	White	—
9 (W7100 and W7101A)	909	Violet	—
10 (W7100 and W7101A)	1000	Black	W7100D

^aUse 1/8 W1% resistors. For heating/cooling systems, use relay contacts in the changeover circuit to switch between the correct resistor value for number of heating or number of cooling stages.

^b4074EFV Bag Assembly available separately. Bag assembly also contains a 510 ohm 1/8 W resistor (tan wiring) for systems without economizer.

SYSTEM OPERATION AND CHECKOUT

The W7101A operates as a part of, and is controlled by the W7100 Logic Panel. For system opera-

tion and checkout, refer to the W7100 instruction sheet, Form No. 60-2507.

Dear Customer,

We welcome your comments and suggestions for improving this publication. Your assistance is greatly appreciated and will enable us to provide better technical information for you.

Please send your comments and suggestions to:
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