

Snap-Disc Controls and Electric Sequencers

■ Quick-connect terminals

Provide fast or time-delayed control of startup and shutdown sequences.

- Snap-Disc Controls** **Electric Sequencers**
- Mounting: multipositional
 - 24V input control
 - Pilot duty: 125VA at 120/480V



6UDY4

Switch Closes @ (°F)	Switch Opens @ (°F)	Voltage Range	Item No.	Switch Closes @ (°F)	Switch Opens @ (°F)	Voltage Range	Item No.
Snap Disc Controls							
Adjustable Limit, Automatic Reset							
115 to 155	135 to 175	120 to 240	6UDY4	—	135 °F	120 to 240	6UEC1
135 to 175	175 to 215	120 to 240	6UDY5	—	160 °F	120 to 277	6UEC2
175 to 215	215 to 250	120 to 240	6UDY6	—	180 °F	120 to 277	6UEC3
215 to 250	250 to 290	120 to 240	6UDY7	—	200 °F	120 to 277	6UEC4
Limit, Automatic Reset							
100 °F	140 °F	120 to 240	6UDY8	—	220 °F	120 to 240	6UEC5
110 °F	120 °F	120 to 240	6UDY9	—	240 °F	120 to 240	6UEC7
115 °F	125 °F	120 to 240	6UDZ0	—	250 °F	120 to 240	6UEC8
115 °F	130 °F	120 to 240	6UDZ1	—	260 °F	120 to 240	6UEC9
120 °F	135 °F	120 to 240	6UDZ2	—	300 °F	120 to 240	6UED0
120 °F	140 °F	120 to 240	6UDZ3	—	350 °F	120 to 240	6UED1
120 °F	160 °F	120 to 240	6UDZ4	Fan and Limit			
120 °F	160 °F	120 to 240	6UDZ5	Limit 120, Fan 140	Limit 140, Fan 120	120 to 277	6UED2
125 °F	145 °F	120 to 240	6UDZ6	Limit 170, Fan 170	Limit 170, Fan 190	120 to 277	6UED3
130 °F	150 °F	120 to 240	6UDZ7	Fan			
135 °F	155 °F	120 to 240	6UDZ8	90 °F	80 °F	120 to 240	6UE04
140 °F	180 °F	120 to 277	6UDZ9	110 °F	90 °F	120 to 277	6UED5
140 °F	180 °F	120 to 240	6UEA0	120 °F	110 °F	120 to 240	6UED6
145 °F	165 °F	120 to 240	6UEA1	130 °F	115 °F	120 to 277	6UED7
150 °F	170 °F	120 to 240	6UEA2	140 °F	120 °F	120 to 277	6UED8
150 °F	190 °F	120 to 277	6UEA3	150 °F	130 °F	120 to 277	6UED9
155 °F	175 °F	120 to 240	6UEA4	160 °F	140 °F	120 to 277	6UEE0
160 °F	180 °F	120 to 240	6UEA5	Adjustable Fan			
160 °F	200 °F	120 to 277	6UEA6	90 to 130	70 to 110	120 to 240	6UEE1
160 °F	200 °F	120 to 240	6UEA7	140 to 180	120 to 160	120 to 240	6UEE2
185 °F	225 °F	120 to 240	6UEA8	Surface Mount			
210 °F	250 °F	120 to 240	6UEA9	Surface Mount Conversion Bracket			
260 °F	300 °F	120 to 240	6UEC0				

Off Time (sec.)	On Time (sec.)	No. of Switches	Main Switch On Time (sec.)	Main Switch Off Time (sec.)	No. of Timings	Aux. Switch Off Time (sec.)	Aux. Switch On Time (sec.)	Item No.
Electric Sequencers								
1 to 30	30 to 90	1	30 to 90	1 to 30	1	1 to 30	30 to 90	6UEE5
1 to 20	40 to 110	1	1 to 20	40 to 110	1	1 to 20	40 to 110	6UEE6
1 to 25	65 to 115	1	1 to 25	65 to 115	1	1 to 25	65 to 115	6UEE4
1 to 30	30 to 90	2	30 to 90	1 to 30	2	1 to 30	30 to 90	6UEE7
1 to 20	40 to 110	2	1 to 20	40 to 110	2	1 to 20	4 to 110	6UEE8
1 to 110	1 to 110	3	1 to 110	1 to 110	3	1 to 110	1 to 110	6UEE9
1 to 110	1 to 110	4	1 to 110	1 to 110	2	1 to 110	1 to 110	6UEF0



Potential Relays

Use to start 1-phase, capacitor-type motors in air conditioning and refrigeration applications.

Supco—Replaces most potential relays with 130 to 270V pickup. Contacts will open after 1 to 1.5 sec. if the motor does not start.



4MG77

Coil Voltage @ 60 Hz				Mr. Model	Item No.
Pick-Up	Drop-Out	Max. Hold	Brand		
139 to 153	55 to 20	168	—	—	5MLY8
162 to 175	90 to 40	332	—	—	5MLZ7
166 to 180	100 to 70	332	—	—	5MLY9
185 to 200	105 to 40	375	—	—	5MLZ0
189 to 205	130 to 60	450	—	—	5MLZ8
212 to 235	121 to 60	420	—	—	5MLZ2
260 to 275	100 to 50	332	—	—	5MLZ3
260 to 275	135 to 60	500	—	—	5MLZ4
295 to 315	135 to 60	500	—	—	5MLZ5
332 to 355	135 to 60	500	—	—	5MLZ6
Adjustable Automatic	Adjustable Automatic	Adjustable 502	Supco ICM	APR-5 ICMUMSR-50B	4MG77 1EC99

ICM—Differential voltage-sensing, universal motor-starting relay. Rated 50 amps @ 110 to 270V, 50/60 Hz. No user adjustments or sizing required.

Time-Delay Relays

Feature control knob for adjustable time range. 0.25" quick-connect terminals. 1-hole mounting.

4E233 and 4E234—Universal input voltage operation of 18 to 240VAC/VDC. 2-wire hookup. For compressor protection and staging.

4E235—Prevents compressor startup due to low line voltage/power failure. Input voltage: 18 to 30VAC.

4E890—Provides an Off delay to allow fan to continue running in forced air systems. 18 to 30VAC.



Type	Time Delay	Contact Rating (A)	Mr. Model	Item No.
Delay on Make	Adj. 1.8 to 600 Sec.	1.5 A	ICM102B	4E233
Delay on Break	Adj. 1.8 to 600 Sec.	1.5 A	ICM203B	4E234
Delay on Break/Lockout	Adj. 180 to 600 Sec.	1.5 A	ICM206B	4E235
Post-Purge	Adj. 12 to 390 Sec.	1 A	ICM253B	4E890



4E234

White-Rodgers **Dayton**

Honeywell Home

Magnetic and Transformer Combination Relays

Snap-acting for remote control of air conditioning, heating, and ventilation systems, motors (up to 1½ HP), tools, and other electrical devices within ratings.

MAGNETIC

AC Switching—SPST models have combination screw/push-on terminals and permanent jumper to load (except where noted). DPST models have screw-type line and load terminals.

Switch Type	Coil Volts	Full Load Amps @ 120V @ 240V	Brand	Mr. Model	Item No.
Magnetic AC Switching					
DPDT	24	12 A	6 A	—	6AZT9
DPDT	120	12 A	6 A	—	6AZU0
DPDT	208/240	12 A	6 A	—	6AZU1
DPDT	24	12 A	6 A	Honeywell Home	R8222D1014
DPDT	24	12 A	6 A	White-Rodgers	90-340
DPDT	115/120	12 A	6 A	White-Rodgers	90-341
DPDT	208/240	12 A	6 A	White-Rodgers	90-342
DPST	24	—	30 A	—	5MMA5
DPST	24	12 A	6 A	—	6ACH5
DPST	120	12 A	6 A	—	6ACH6
DPST	208/240	12 A	6 A	—	6ACH7
DPST	24	30 A	—	Dayton	—
SPDT	208/240	12 A	6 A	—	18F255
SPDT	24	12 A	6 A	Honeywell Home	R8222B1067
Enclosed Fan (Heavy-Duty)					
SPDT	24	14 A	8 A	—	6AZU4
SPDT	120	14 A	8 A	—	6AZU5
SPDT	277	14 A	8 A	—	6ACJ1
SPDT	208/240	14 A	8 A	—	6AZU6
SPDT	24	8 A	8 A	White-Rodgers	90-293Q
SPDT	24	12 A	8 A	White-Rodgers	90-370
SPDT	115/120	8 A	8 A	White-Rodgers	90-294Q
SPNO	24	14 A	8 A	—	6AZU2
SPNO	120	14 A	8 A	—	6ACH8
SPNO	277	14 A	8 A	—	6ACJ0
SPNO	24	8 A	8 A	White-Rodgers	90-290Q
SPNO/SPNC	24	14 A	8 A	—	6EZU3
SPNO/SPNC	120	14 A	8 A	—	6ACJ2
SPNO/SPNC	208/240	14 A	8 A	—	6ACJ3
SPNO/SPNC	24	12 A	8 A	White-Rodgers	90-380
SureSwitch Relay					
Electronic	120V AC, 208/240V AC, 24V AC	40 A	—	White-Rodgers	49M11-843
					786Y44

Transformer Combinations					
4x4 Junction Box Mount					
DPDT	24	12 A	6 A	—	6AZH6
SPDT	24	12 A	6 A	—	6AZH5
SPDT	24	12 A	6 A	Honeywell Home	R8285A1048
SPNO/SPNC	24	12 A	6 A	—	6AZH4
Conduit/Unit Mount (Hydronic Application)					
1 SPDT plus 1 Powerpile SPST	24	8 A	—	Honeywell Home	RA889A1001
2 SPST plus 1 Powerpile SPST	24	7.4 A	—	Honeywell	R8845U1003
SPST	24	10.2 A	5.1 A	Honeywell Home	RA89A1074
Conduit Box/Unit Mount					
SPST Normally Open (NO)	240	—	12 A	White-Rodgers	24A01G-3
					2E346