

Delay on Break Timers (Anti-Short Cycle Protection)

APPLICATIONS

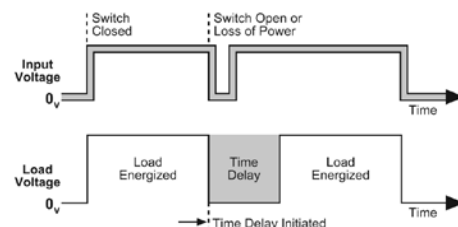
"Anti-short cycle" "ON delay on break"

Helps to protect air conditioning, refrigeration and heat pump equipment from damage which may be caused by the rapid short cycling of compressors.

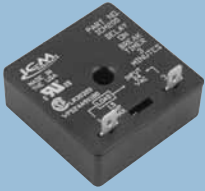
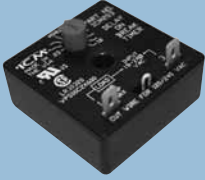


MODE OF OPERATION

Upon application of power, the load is energized. When the thermostat or other switch opens or there is a loss of power, the load is de-energized and the delay period begins. The compressor will not start again during the delay period. Restart occurs after the delay period has elapsed.

TIMING DIAGRAM



Delay on Break Timers

ICM Control	Features and Applications	Specifications	Replaces
	ICM200, 200F, 201, 201F <ul style="list-style-type: none"> Higher 1.5 amp power rating Compressor lockout/anti-short cycle timer Helps to protect compressors from damage caused by rapid short cycling Simple, 2-wire hookup SERIES: ICM200, 200F: 3-minute delay ICM201, 201F: 5-minute delay "F" suffix denotes 6" wire leads 	<ul style="list-style-type: none"> Voltage: 18-30 VAC 1.5 amps 15 amp inrush Frequency: 50-60 Hz Fixed time delays: 3 or 5-minutes Voltage drop: <ul style="list-style-type: none"> 3.5 V typical 4.5 V maximum @ 1.5 amps Holding current minimum: 40 mA Dimensions: 2" x 2" 	ICM200 <ul style="list-style-type: none"> A-1: EAC-501-180-W Diversified: AC-100-3 Supco: TD733 (18-30 VAC) ICM200F <ul style="list-style-type: none"> A-1: EAC-500 Supco: TD733W (18-30 VAC) ICM201 <ul style="list-style-type: none"> A-1: EAC-500, EAC-501-300-W Diversified: ASC-500-5 Mars: 32390 Supco: TD735 (18-30 VAC) ICM201F <ul style="list-style-type: none"> A-1: EAC-500, EAC-501-300-W Diversified: AC-505-5 Mars: 32005, 32505 Supco: TD735W (18-30 VAC)
	ICM203, 203F <ul style="list-style-type: none"> Universal voltage operation Higher 1.5 amp power rating Compressor lockout/anti-short cycle timer Helps to protect compressors from damage caused by rapid short cycling Simple, 2-wire hookup "F" suffix denotes 6" wire leads 	<ul style="list-style-type: none"> Voltage: 18-240 VAC 1.5 amps 15 amp inrush Frequency: 50-60 Hz Knob-adjustable delays: .03-10 mins. (1.8-600 sec.) Voltage drop: <ul style="list-style-type: none"> 3.5 V typical 4.5 V maximum @ 1.5 amps Holding current minimum: 40 mA Dimensions: 2" x 2" 	ICM203 <ul style="list-style-type: none"> A-1: EAC-501-ADJ Diversified: AC-503 Mars: 32001, 32387, 32392 Robertshaw: 3310-072 Supco: TD72, TD73 Wagner/DiversiTech: ADB-1 ICM203F <ul style="list-style-type: none"> Supco: TD73W Wagner/DiversiTech: ADB-2
	ICM204, 205, 206 <ul style="list-style-type: none"> Brownout protection UL 873 recognition as compressor controller Helps prevent scroll compressor reversal Fast response time: 16 ms Compressor lockout/anti-short cycle timer Prevents low voltage starts Eliminates relay chatter due to thermostat bounce or tampering Works with anticipator-type thermostats Patented: U.S. Patent No. 4,991,049 SERIES: ICM204: 3-minute delay ICM205: 5-minute delay ICM206: 3-10 minute delay 	<ul style="list-style-type: none"> Voltage: 18-30 VAC 1.5 amps 15 amp inrush Frequency: 50-60 Hz Time delays: <ul style="list-style-type: none"> 3 or 5-minute fixed or 3 to 10-minute adjustable time delay Holding current minimum: 40 mA Dimensions: 2" x 2" 	ICM204 <ul style="list-style-type: none"> A-1: EAC-426-180 Diversified: AC-100-3 Mars: 32381 Robertshaw: 3310-183 Supco: TL243 ICM205 <ul style="list-style-type: none"> A-1: EAC-426-300 Diversified: AC-100-5 Mars: 32382 Robertshaw: 3310-305 Supco: TL245 ICM206 <ul style="list-style-type: none"> A-1: EAC-426-ADJ Supco: TD74
	ICM207, 208, 209 <ul style="list-style-type: none"> Universal voltage operation Helps prevent scroll compressor reversal Fast response time: 16 ms Compressor lockout/anti-short cycle timer Eliminates relay chatter due to thermostat bounce or tampering Works with anticipator-type thermostats SERIES: ICM207: 3-minute delay ICM208: 5-minute delay ICM209: .03-10 minute delay 	<ul style="list-style-type: none"> Voltage: 18-240 VAC 1 amp 10 amp inrush Frequency: 50-60 Hz Adjustable time delays: <ul style="list-style-type: none"> 3 or 5-minute fixed or 10-minute adjustable time delay Holding current minimum: 40 mA Dimensions: 2" x 2" 	ICM207 <ul style="list-style-type: none"> A-1: EAC-426-180 Diversified: AC-100-3 Mars: 32381 Robertshaw: 3310-183 Supco: TL243 ICM208 <ul style="list-style-type: none"> A-1: EAC-426-300 Diversified: AC-100-5 Mars: 32382 Robertshaw: 3310-305 Supco: TL245 ICM209 <ul style="list-style-type: none"> A-1: EAC-426-ADJ Mars: 32565 Supco: TD74H