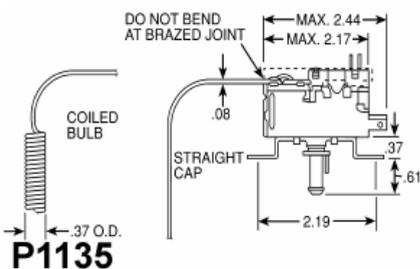


TEMPERATURE CONTROLS

RANCO A12 SERIES CONSTANT CUT-IN CONTROL



The Ranco A12 Controls provide a constant Cut-In feature. The constant Cut-In design is generally used to provide an Off-Cycle defrost function. Each time the control cycles off, the control contacts will remain "open" until the evaporator is cleared of any frost that may have accumulated from the previous "On" Cycle. The A12 constant Cut-In setting will be between 35° and 41° F. (See Control Chart.)

Generally, medium refrigeration units without hot gas or electric defrost systems will use a Constant Cut-In Control (A12 Series).

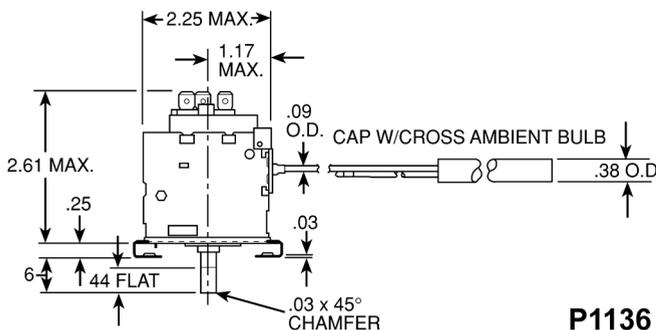
Rotating the Knob/Dial changes only the Cutout setting. The Cut-In setting remains the same regardless of the Knob/Dial position.

MODEL SELECTION CHART

PART NO	NORMAL OFF (°F)	WARM OFF (°F)	COLD OFF (°F)	CUT-IN CONSTANT (°F)	CAPILLARY LENGTH (in)
RAN-A12-1506	15	22	9	38	39 x 3/8 x 1-3/8
RAN-A12-700	18	26	11.5	37	84
RAN-A12-710	23	27	19	36.5	21 x 3/8 x 1-3/8
RAN-A12-701	23.5	31	15	41	84
RAN-A12-1560	24	29	19	38	72
RAN-A12-711	18.5	23	14	37	31 x 3/8 x 1-3/8
RAN-A12-712	15.5	23	8	35	79

RANCO DEFROST TERMINATION/FAN DELAY CONTROLS

The F25 control terminates defrost and delays the evaporator fan operation on electric heat, hot gas, and reverse cycle commercial refrigeration systems.



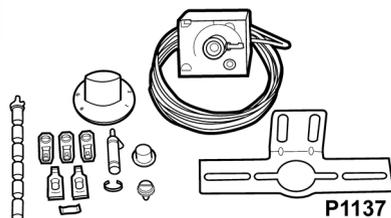
P1136

MODEL SELECTION CHART

PART NO	SWITCH	FAN "ON" TEMPERATURE (°F)	DEFROST TERMINATION (°F)	SENSING ELEMENT STYLE
RAN-F25-107	SPDT	20 Fixed	40 to 75 Adjustable	60" Capillary with 3/8" x 4" Cross Ambient Bulb
RAN-F25-114	SPDT	24 Fixed	44 to 79 Adjustable	60" Capillary with 3/8" x 4" Cross Ambient Bulb

RANCO ADAPTABLE REPLACEMENT CYCLING CONTROLS FOR ROOM AIR CONDITIONERS

A22/30



Adaptable control to replace OEM controls which govern the ON/OFF compressor function. Includes break-off shaft, dial knob, and mounting bracket.

P1137

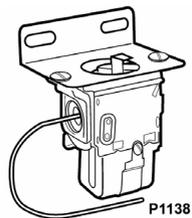
PART NO	DIAL RANGE (°F)	DIFFERENTIAL (°F)	SWITCH	SENSING ELEMENT Capillary		POPULAR APPLICATIONS
				Length (in)	Type & Bulb Size	
RAN-A30 x 450	58 to 89	5	SPST	--	Air Coil	--
RAN-A30 x 451	58 to 86	5	SPST	36	Straight	GE WJ28 x 500 GE WJ28 x 512
RAN-A30 x 452	58 to 89	5	SPST	39	3/8" x 4" Cross Ambient	GE WJ28 x 502
RAN-A30 x 453	58 to 85	5	SPST	18	Straight	Whirlpool 485760 Frigidare 8006445
RAN-A22-2451	45 to 81	5	SPDT	27	Straight	GE WJ28 x 504
RAN-A22-2453	59 to 90	6	SPDT	39	3/8" x 4" Cross Ambient	GE WJ28 x 505
RAN-A30-2311	Fixed Setting Closes @ 60° F Opens @ 30° F	30	SPST	30	Straight	Evaporator De-Ice Control

"X" Version rated at 30 FLA at 120/240V.

TEMPERATURE CONTROLS

RANCO AIR CONDITIONER LOW AMBIENT THERMOSTAT

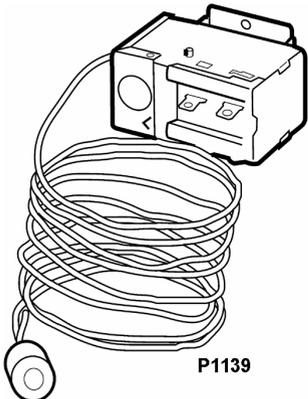
A30



The A30-X204 Low Ambient Temperature Cutout Control has an adjustable range from 50° to 60° F. It is designed for field installation on central and unitary air conditioning systems that are not factory equipped to operate at low ambient temperatures. The A30 Control opens the compressor contactor circuit to prevent possible flood-back damage during cold weather operation when temperatures fall to or below the control set-point. When the outdoor ambient temperature rises 5° F above the control set point, the low ambient control switch closes, completing the circuit to allow normal compressor operation.

PART NO	CUTOUT RANGE (°F)	DIFFERENTIAL (°F)	SWITCH	SENSING ELEMENT STYLE
RAN-A30-X204	50 to 65	6	SPST	24" Capillary

RANCO ICE BANK CONTROLS

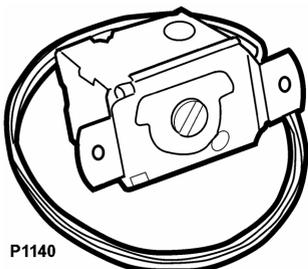


Suitable for soft drink dispensers, drink vending machines, and ice builders for thermal storage. Uses a special water-filled bulb and transmission fluid to control ice thickness in applications utilizing a refrigerated water bath with ice bank reserve capacity.

PART NO	RANGE (°F)	DIFFERENTIAL (°F)	SWITCH	SENSING ELEMENT STYLE
RAN-O18-100	Fixed	Approximately 1/8" Ice Thickness	SPST	76" Capillary with Bulb

RANCO ICE BIN LEVEL CONTROL

A22

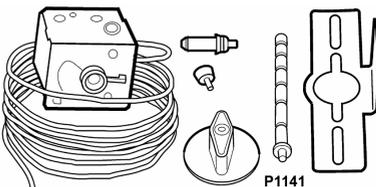


Direct replacement control for ice machine applications. Provides narrow differential for accurate control of bin level.

PART NO	RANGE (°F)	DIFFERENTIAL (°F)	SWITCH	SENSING ELEMENT STYLE
RAN-A22-1129	35 to 51	6	SPDT	48" Capillary
RAN-A30-3815	27 to 49	5.5	SPST	60" with Bulb
RAN-A30-3842	27 to 49	5.5	SPST	122" with Bulb

RANCO ICE HARVEST CONTROL

A22



Adaptable replacement for ice machine applications. Parts and instructions included for easy installation.

PART NO	RANGE (°F)	DIFFERENTIAL (°F)	SWITCH	SENSING ELEMENT STYLE
RAN-A22-4506	-19 to 22	8	SPDT	72" Capillary