

FD113-ZU(K) OIL PRESSURE SAFETY CONTROLS

The FD113 Oil Pressure Safety Control senses the effective oil pressure on pressure lubricate compressors. If inadequate oil pressure exists, a time delay is energized. If the oil pressure does not recover to safe levels within the time delay setting, the compressor is shut down. The time delay allows the compressor adequate time to establish oil pressure on start up and avoids nuisance shutdowns on pressure drop of short duration during the run cycle.

Maximum application flexibility is assured by providing an adjustable differential pressure switch which can be adjusted to the compressor's minimum required oil pressure needs and an adjustable electronic time delay which allows you to select the length of time the compressor runs below the minimum pressure before shutdown. The minimum pressure setting and time delay values specified by the compressor manufacturer should be used when installing the FD113 control.

FEATURES

- ☆ Pressure Range adjustable from 4 to 65 PSID; Timer start pressure—timer stop pressure is 3 PSID above timer start pressure
- ☆ A SPDT switch is used in the pressure portion of the control which allows the addition of a "safe light" if desired
- ☆ Electronic Timer is Time-Adjustable from 20 to 150 seconds
Supply voltage—24 to 240 Volt AC/DC; Timing unaffected by voltage or ambient temperature variations
- ☆ A SPDT Manual Reset Switch is used in the Timer Module; Upon time-out, the compressor is stopped and an alarm circuit is energized; To restart the compressor and de-energize the alarm circuit, the reset button is pushed
- ☆ A factory installed Jumper allows the FD113 to be powered from a single power source; Should separate circuits be desired for the timer and "Lockout" switch, the Jumper can be removed

SPECIFICATIONS

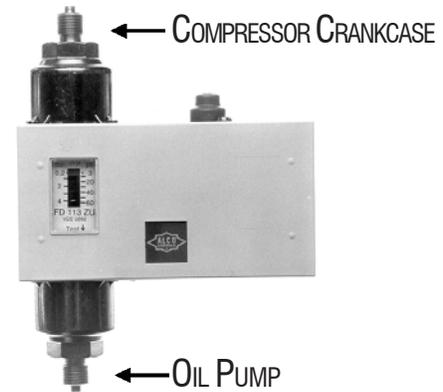
- ☆ Agency approvals include: UL/CUL file #E85974, VDE 0631/0660, TÜV, CE 73/23/EWG, CE 93/68/EWG

ORDERING INFORMATION FOR FD113-ZU(K) OIL PRESSURE SAFETY CONTROLS

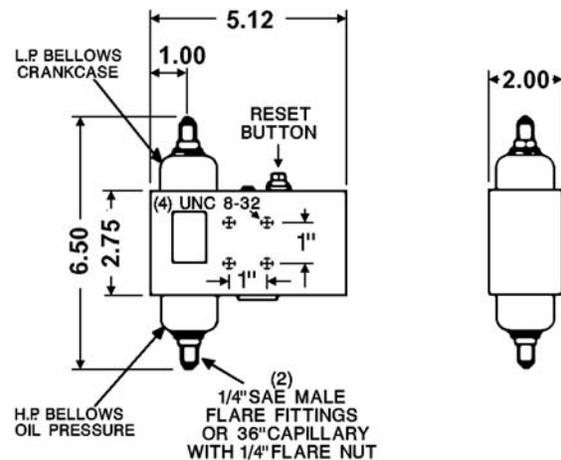
PCN	Part Number	Adjustable Pressure Range	Adjustable Time Delay	Supply Voltage	Pressure Connection	REPLACES		
						Penn	Copeland	Ranco
097456	FD113-ZUK	4-65 PSID	20 to 150 seconds	24 to 240V AC/DC	(2) 36" capillary with 1/4" flare nut	P45NCA-12 P45NCA-82 P28AA-1,-2 P28AA-17,-18 P28DA-1 P28GA-2 P28NA-5	085-0062-00	P30-5826 P30-3601 P30-3701 P30-3801
097464	FD113-ZU		Factory-set at 120seconds		(2) 1/4" male flare ¹	P128AA-1,-2,-3 P145NCA-12,-82 P145NCB-12,-82		P30-5827

Standard Product Offering * Product Code Number

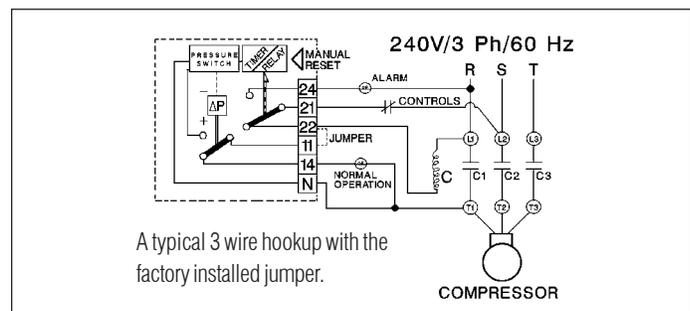
¹ For applications where the condensing unit/control is exposed to temperatures below 20°F, 1/4" lines are recommended.



FD113 DIMENSIONAL DATA



DIMENSIONS SHOWN ARE IN INCHES.



A typical 3 wire hookup with the factory installed jumper.

COMPRESSOR