

OMB ELECTRONIC OIL LEVEL CONTROL

APPLICATION

- ☆ Compressor crankcase oil level protective control
- ☆ Warranty requirement for Copeland ZF, ZB and ZS refrigeration scroll compressors

FEATURES AND SPECIFICATIONS

- ☆ Self contained unit with oil level sensor and integral solenoid to manage oil supply
- ☆ Sacrificial magnet for collecting ferrous debris
- ☆ Reverse Hall-effect sensor for precise measurement
- ☆ Alarm and status indication by LEDs
- ☆ SPDT contact for compressor shut down or alarming
- ☆ Easy installation by sightglass replacement
- ☆ Adapters suitable for most various Scroll types
- ☆ Signal generated by gravity based float - not prone to errors from foaming like optical sensors
- ☆ Debris retention magnet for reliable operation
- ☆ Maximum Working Pressure: 500psig
- ☆ Solenoid MOPD: 300 psi
- ☆ Supply Voltage: 24 V AC
- ☆ Time delay for Low Level 10 seconds
- ☆ Time Delay After Recovery 10 seconds
- ☆ Alarm Delay Time 120 seconds
- ☆ Alarm Contact Rating: 10A @ 125VAC
- ☆ Refrigerant Compatibility: HFC, HCFC, CFC
(NOT for use with flammable refrigerants or ammonia)
- ☆ Refrigerant Temp.: 180°F Maximum
- ☆ UL file number: MP604
- ☆ CRN file number: OF0845.9 (see page A)



NOMENCLATURE

Example: OMB JB1S/T ASC2 24 50/60

OMB	JB	1	S/T	ASC2 24 50/60
Oil Management Control	JB - Junction Box MA - Stress Relief Connector	1 - Oil Control	Oil Inlet FTG 1/4" SAE S/T - Straight ANG - Angle	Solenoid Coil Model Number, Voltage, Frequency (Included)

ORDERING INFORMATION FOR OMB

PCN	DESCRIPTION
OMB	
065365	OMB-JB1 S/T ASC 2 24/50-60 - STD
065366	OMB-MO1 ANG ASC 2 24/50-60 - STD
ADAPTERS (TO ATTACH OMB TO COMPRESSOR FOR NEW INSTALLATIONS ONLY)	
065667	OMB-ACB ADAPTER (Copeland Scroll ZR) - KS30375
065668	OMB-ACA ADAPTER (Copeland Scroll ZF, ZS, ZB) - KS30376
063521	OMB-AUA ADAPTER (Semi Hermetic Universal)
SERVICE PARTS	
048638	Inlet Flare Screen - X11176-7
020877	Sight Glass O-Ring - KS30367
064812	O-Rings (3 pieces) - KS30368

NOTE: An adapter kit is required for new installations.