

# INSTRUCTIONS



\*99TA516202\* (for RCD use only)

Instruction Sheet Number: **99TA516202**

Description: Horizontal Oil Separator Kit for Paragon

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Part Number: 06TT660095

**Universal kit for all paragon compressor models applied with a horizontal oil separator part numbers – 8BSB000643, 8BTB000644, 8BSV000704, 8BTB000705, and 8BVB000787**

<u>QTY</u>	<u>ITEM</u>	<u>Carlyle Part Number</u>
1	Oil level Sensor	8CCB000742
1	Oil Level Controller, 230V	8CCB000744
1	HT38KN007	Oil Separator Heater wrap

Oil Level Controller (230 Vac), P/N 8CCB000744

Oil Level Sensor, P/N 8CCB000742



Oil Separator Heater (120/240 Vac)  
P/N HT38KN007



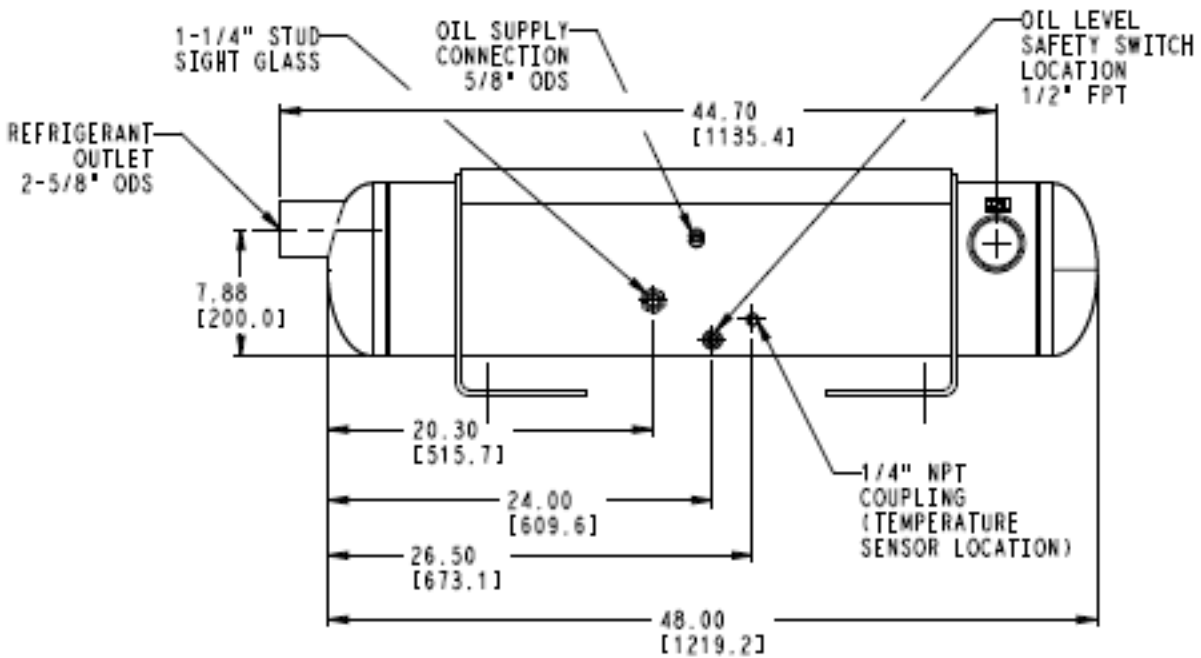
# Instructions:

## Oil Level Controller and Sensor (For Horizontal Oil Separators):

The electronic oil level controller **8CCB000744** and oil level sensor fitting **8CCB000742** work together to perform oil level monitoring in the oil separator for paragon screw compressor applications.

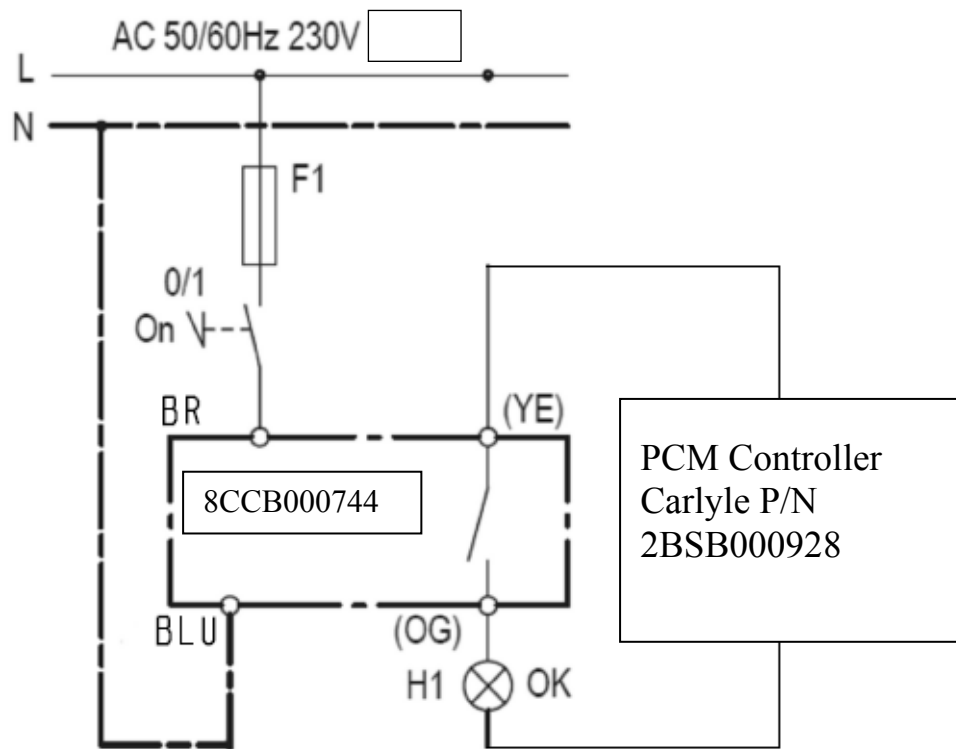
The oil level controller is 230V-1-60Hz and has a 5 second low oil level alarm time delay.

The oil sensor, 8CCB000742, is an optical sensor (not a float type). The oil sensor has 1/2" NPT steel nickel-plated threads which install into the 1/2" FNPT port located towards the bottom-side of the oil separator and should be torqued to 50-60 ft-lbs. The oil sensor is designed to be immersed in oil, and when uncovered due to a low oil level, will trigger the oil level controller's internal contacts to close, bringing in an alarm. This action should result in a compressor trip.



The oil level controller works with the Carlyle PCM Controller 2BSB000928, which is located in the paragon controller kits, P/N 6BSB000929 and 6BSB000930.

## Wiring Diagram



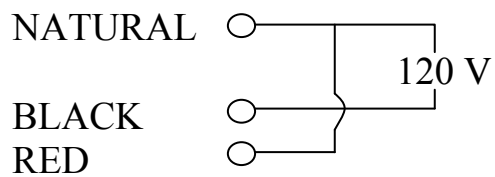
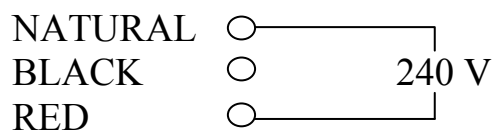
TECHNICAL SPECIFICATIONS	
SUPPLY VOLTAGE	(52S...) AC 50/60Hz 230V±10% (41S...) AC 50/60Hz 115V±10%
PERMITTED AMBIENT TEMPERATURE	-30...+60°C (-22...+140°F)
MAX. MEDIUM TEMPERATURE	+120°C (+248°F) (<1h) +100°C (+212°F)
DELAYS: -RELAY ON AFTER APPLYING THE SUPPLY VOLTAGE	3s±1s
LEVEL MONITORING - RELAY OFF (LEVEL MISSING, FAULT) AFTER - RELAY ON (LEVEL GOOD, NO FAULT) AFTER - RELAYS ON AFTER FAULT CORRECTION AFTER	5s±2s 5s±2s 5s±2s
RESET BY INTERRUPTING THE SUPPLY VOLTAGE	>3s
OUTPUT RELAY	AC 240V, 2,5A C300> AC/DC 24V, >20mA
CONNECTING CABLE	CABLE 4xAWG18 (0,75 SQUARE MM) L =1M, COLOR-CODED
PROTECTION CLASS ACC. TO EN 60529	IP54 IN BUILT-IN STATUS
HOUSING MATERIAL	PA GLASS-FIBRE-REINFORCED
WEIGHT	APPROX. 80G
MOUNTING	UNION NUT
APPROVALS	UL FILE NO. E222056

**Oil Separator Heater:** The oil separator heater mounts to the underside of the oil separator and fastens around the oil separator body via the supplied springs. The heater is dual voltage 120/240 Vac, output is 500

watts, operating temperature is 450F. The oil separator heater should be energized when the compressor is not in-service and de-energized when the compressor is operating.

Oil Separator Heater (120/240 Vac)  
P/N

HT38KN007



Heater Wiring Diagram