TRAUSCH DYNAMICS
HYDRAULIC & PNEUMATIC COMPONENTS • SYSTEMS DESIGN

3727 WESTGATE ROAD GRAND ISLAND, NE 68803

PHONE: (308) 382-0262 FAX: (308) 382-0253 HYDRAULICSTORE.COM

Temp Switch

TRAUSCH DYNAMICS

Technical Information

Temp Switch

• Bimetallic Switch • Closes When High Set Point Reached • Opens When Low Set Point is Reached • 22°F Differential Prevents Fan Motor Over-Cycling • Use on 12VDC, 24VDC, 115VAC, and 230VAC • -4°F to 248°F Temperature Range • 2900 PSI Maximum Pressure • ±7°F Switching Accuracy • Brass Body • Mounting in Any Position • DIN 40050 IP65 Electrical Protection • Normally Open Electrical Contact • Maximum Contact Load: 12VDC@10Amp, 24VDC@5Amp, 115VAC@10Amp, 230VAC@15Amp

Stock Number	Temp Range	Thread	Overall Length	Overall Height	Ship Wt.
7494205	122°F - 100°F	1/2 - 14 BSPP	1.88"	2.95"	0.20
7494208	140°F - 118°F	1/2 - 14 BSPP	1.88"	2.95"	0.20

Temp Switch With Integrated Relay

• Bimetallic Switch • Closes When High Set Point Reached • Opens When Low Set Point is Reached • 22°F Differential Prevents Fan Motor Over-Cycling • Use on 12VDC • -4°F to 248°F Temperature Range • 2900 PSI Maximum Pressure • ±7°F Switching Accuracy • Brass Body • Mounting in Any Position • Normally Open Electrical Contact • Metripack 280 Connections • Positive: Brown Wire • Negative: Blue Wire • IP67 Rated • CE Approved • Maximum Contact Load: 12VDC@30Amp

Stock Number	Volts	Temp Range	Thread	Wire Length	Ship Wt.
7494224	12VDC	122°F - 100°F	1/2 - 14 BSPP	24.00"	0.80
7494227	12VDC	140°F - 118°F	1/2 - 14 BSPP	24.00"	0.80

?

What is "ETD" and why does it matter to you?
ETD is the entering air and oil difference in temperature in degrees Fahrenheit of a heat exchanger.
Now we know that ETD = Entering Temperature Difference.
Sometimes you may see this written as ΔT (Delta T). Don't worry. It's the same thing.

Why are all of our charts using an ETD of 50°F?
Hydraulic experts rarely like to see oil temperature conditions rise above 150°F. In most parts of the world it is uncommon to see ambient air temperatures above 100°F. So, when utilizing a properly sized heat exchanger, the oil should never rise to 50°F over the ambient air temperature.

What is a properly sized heat exchanger?
There are some general guidelines when choosing a heat exchanger. It is common to use a heat exchanger that will remove 25% - 30% of the hydraulic systems input horsepower. Of course there are many factors that go into proper selection. Let us help you choose. Contact us today!