

1/2" Disc Thermostats - Manual Reset 603U-H Series Open on Rise

Description

This line of highly reliable switches utilize a snap action bimetal disc, electrically and thermally isolated from the switch. The contacts are normally closed and open on rise when surface or ambient temperature set point is reached. The circuit will remain open until the manual reset button is depressed at approximately 30% below its operating temperature. All models are 100% temperature tested which can be calibrated to your specification at the factory. Many popular settings are available from stock. For millivolt and milliamp applications, gold contacts are recommended. We recommend Type K gold contacts for 200ma or less.



SPECIFICATIONS	
ELECTRICAL RATINGS - Type U-H	125VAC, 15 Amps, Resistive
	250VAC, 10 Amps, Resistive
	6,000 Cycles
INDUCTIVE LOAD RATINGS	120VAC, 5.8 FLA, 34.8 LRA 12 Amps
	250VAC, 2.9 FLA, 17.4 LRA
	6,000 Cycles
ELECTRICAL RATINGS - Type K (Type K not VDE-approved)	30VDC, 1 Amp, Resistive
	120VAC, 124VA (Pilot Duty)
	6,000 Cycles
TEMPERATURE RANGE	120°F to 302°F (50°C to 150°C)
MANUAL RESET	30% below its operating temperature
AUTOMATIC RESET	-40°F
ENVIRONMENTAL TEMPERATURE	32°F to 350°F (0°C to 177°C)
INSULATION RESISTANCE	100M ohms or more (with a 500VDC megger)
CIRCUIT RESISTANCE	50m ohms or less (initial value)
DIELECTRIC STRENGTH	1,500VAC/1 minute
CERTIFICATION	We hereby certify that our part numbers listed on this page, do not contain Hazardous substances as required on directive 2002/95/EC of the European Parliament and of the Council of January 2003. View Certification
APPROVALS	UL File No. E145478(S) Guide XAPX2
	CUL File No. E145478(S) Guide XAPX8
	VDE File No. 135151 (Type U-H only)
	CSA File No. LR63201

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Part Selection					Dimensions	
Open ØF	Mounting	Terminals	Orientation From Mount Holes	Part Number	DXF	PDF
120 ± 10	air mount	.250 quick connect, horizontal	90°	OM-120-A	Get	View
140 ± 10	surface mount	.250 quick connect, horizontal	90°	OM-140-QC	Get	View
150 ± 10	rotating bracket	.250 quick connect, vertical	-	OM-150-QCV	Get	View
160 ± 10	surface mount	solder tab	45°	OM-160	Get	View
180 ± 10	surface mount	.187 quick connect, horizontal	45°	OM-180-QC	Get	View
194 ± 10	surface mount	solder tab	90°	OM-194	Get	View
195 ± 10	rotating bracket	.250 quick connect, horizontal	-	OM-195-QC	Get	View
200 ± 10	surface mount	.250 quick connect, vertical	90°	OM-200-QCV	Get	View
212 ± 10	rotating bracket	.250 quick connect, horizontal	-	OM-212-QC	Get	View
225 ± 10	rotating bracket	.250 quick connect, horizontal	-	OM-225-QC	Get	View
250 ± 10	surface mount	solder tab	45°	OM-250	Get	View
250 ± 10	surface mount	.250 quick connect, horizontal	45°	OM-250-QC	Get	View
265 ± 10	air mount	solder tab	45°	OM-265-A	Get	View
285 ± 10	surface mount	.250 quick connect, horizontal	45°	OM-285-QC	Get	View
302 ± 10	surface mount	.250 quick connect, vertical	90°	OM-302-QCV	Get	View
320 ± 10	surface mount	solder tab	45°	OM-320	Get	View
320 ± 10	surface mount	.250 quick connect, horizontal	45°	OM-320-QC	Get	View

Part Number	2	5	25	50	100	250	500
OM-120-A	26.00	12.85	10.80	6.50	5.95	5.15	3.60
OM-140-QC	26.00	12.85	10.80	6.50	5.95	5.15	3.60
OM-150-QCV	26.00	12.85	10.80	6.50	5.95	5.15	3.60
OM-160	26.00	12.85	10.80	6.50	5.95	5.15	3.60

OM-194	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-195-QC	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-200-QCV	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-212-QC	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-225-QC	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-250	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-250-QC	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-265-A	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-285-QC	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-302-QCV	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-320	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60
OM-320-QC	26.00	\$12.85	\$10.80	\$6.50	\$5.95	\$5.15	\$3.60