MeK-Tronics

INDUSTRIAL CONTROLS PRODUCT CATALOG






MeK-Tronics LLC is a US based privately held joint venture with world class manufacturer of Industrial Controls, designed and built for the HVAC, Commercial, Industrial and OEM markets. Our product scope includes, but is not limited to IEC Contactors & Overloads, Definite Purpose Contactors, Fan Relays and Class II Transformers.

CONTACTORS GENERAL PURPOSE RELAYS AUXILIARY SWITCHES TRANSFORMERS MOTOR CAPACITORS

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MeK-Tronics

MKP-S Series Single Cut Single Thrower Auto-Reset Pressure Control

(MKP-S-01H MKP-S-02H MKP-S-03H MKP-S-01L MKP-S-02L MKP-S-03L)

Product Specifications

Adopting Eng. thread quick connector (copper flare connection) or brass tube welding fitting structure, flexibly setting, easy to use and no special need for mounting and fixing .Plugging or wiring connection designed to customers' choice.SPST connection, normal open or normal close structure to customers' choice.Security and reliability by adopting fusion welding stainless steel pressure inductor and full air-tight connection.Any pressure value within 3~800 PSI (0.02~5.5MPa) can be made based on customers' requirement. Pre-set pressure parameter before delivery allows direct use without resetting on the customers' site.

Operating Principle

The series of pressure control are made based on the theory that an inside reversible stainless steel motion diaphragm turns over when inducing certain pressure. The electric contact opens or closes with the leader when the diaphragm moves. The switch resets automatically when induced pressure reduces below rated value.

Application

The series of pressure control are used to the high, low pressure protection of some refrigeration system like residential, commercial, automobile air-conditioner and ice maker etc. It can also be used to hydraulic pressure and steam pressure control system of all kinds of air compressor, equipment or tool and agricultural machine.

Bcqge lcb N_p_ k crcp

Umpigle npcqqspc p_lec8 1|6..NQ8 &.,.0|3,3K N_'

@spqr Npcq qspc83...NQ8

?k `gc lr rc k nc p_rspc8 +1.°C|)6.°C

Jgdc awajcq s lbcp rfc p_rcb cjcarpga asppc lr8 1.*... rg k cq *3.*... rg k cq _lb /..*... rg k cq mnrgm l_j

Cjcarpga_j P_rg le8 ?r 02 T_a* lmp k_j cjcarpga a_n_agrw8 /03T? ?r /0.-02.T_a* lmp k_j cjcarpga a_n_agrw8 153 T?

Bgcjcarpga Qrpc lerf8 @crucc l bgqam l l carcb am lr_arq8 ?A 5..T-Q
Rcp k gl_j rm msrcp q fcjj8 ?A 0...T-Q

Q_dcrw npmmd npcqqspc8 R fc npcqqspc rf_r rfc am lrpmj a_l c lbspc u fgjc lmr _ddcarq rfc p_rcb k mrgm l t_jsc

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Relays

The MKR-1/MKR-2 Series general purpose relays are a cost effective though dynamic solution to switching a variety of load types. These include: fans in HVAC systems, standby power supplies, single or two speed motors, solenoids and lighter resistive loads.



MKR-1



MKR-2

Features

✓ Offers a variety of switching options, including SPNO, SPDT, DPNO, DPDT, and 1 NO & 1 NC.
✓ Designed with a Class B insulation system and .250″ QC terminals.
✓ Can be mounted in different positions.
✓ UL Approved #E523535

Part No.	Description	MKR	Box QTY (pcs)
MEK-90370	SPDT 24V	1	150
MEK-90293	SPDT 24V	1	150
MEK-90294	SPDT 120V	1	150
MEK-90295	SPDT 240V	1	150
MEK-90290	SPNO 24V	1	150
MEK-90291	SPNO 120V	1	150
MEK-90292	SPNO 240V	1	150
MEK-90380	1NO/1NC 24V	1	150
MEK-90340	DPDT 24V	2	100
MEK-90341	DPDT 120V	2	100
MEK-90342	DPDT 240V	2	100

Potential/Start Relay Quick Connect

Quick connect series
Used for starting compressor loads



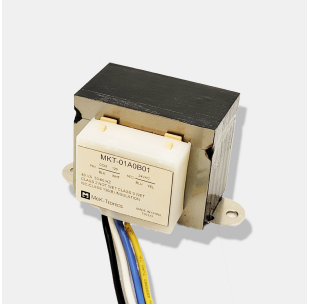
Features

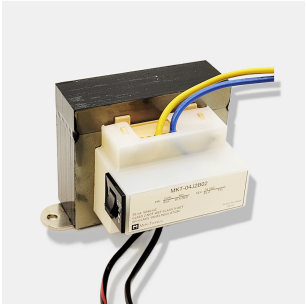
✓ 1 NC configuration available
✓ .25 inch quick connect terminations
✓ Various mounting options.
✓ UL approved # E523535

Part No.	Mars No.	Continuous Coil Voltage	Min. Pick-Up	Max. Pick-Up	Max. Drop-Out
MKR3-63	63	170	139	153	55
MKR3-64	64	395	260	275	120
MKR3-65	65	332	168	182	90
MKR3-66	66	395	215	225	120
MKR3-67	67	420	295	315	125
MKR3-68	68	502	325	345	135
MKR3-69	69	336	180	195	105
MKR3-71	71	420	212	232	121

Transformers

Mek-Tronics MKT Series transformers are Class II Transformers rated up to 100 VA with a variety of primary voltages (120-575V) and Secondary Voltages (24-120V). Most Transformers are rated for 50/60Hz for multiple applications.





Features

✓ Class II ratings, Inherently limited (10VA to 50 VA) and Non-Inherently Limited (50VA to 100 VA Max)
✓ Termination options include quick connects and leads
✓ Various mounting options

Part No.	Description	Box QTY (pcs)
MEK-T40VA	120-240/24V 40VA with leads	20
MEK-T50VA	120-240/24V 50VA with leads	20
MEK-T75VA	120-240/24V 75VA with leads	15
MEK-T40VA-MULTI	120-240/24V 40VA with 4x4 Plate	27

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Capacitors quality advantages

CHECK FOR CAPACITOR QUALITY

- ✓ –40°C to 70°C (–40°F to 158°F) operating temperature
- ✓ Vacuum sealed to eliminate leaks and/or contaminates
- ✓ 1.5 mm plastic cup to support Mylar* film rolls Nomex* sleeve to protect and insulate Mylar film rolls
- ✓ 10,000 AFC protected
- ✓ UL / cUL approved



"R" is the designator for Round Capacitors

Features

- ✓ Single and dual rated values
- ✓ Round or oval case options
- ✓ Aluminum oil filled construction
- ✓ Designed & manufactured in accordance with UL 810 and EIA-456-A Standards
- ✓ Custom configurations available

Part No.	Description
MEK-5/440:	MEK-VALUE/MICROFARAD/VOLTAGE
MEK-45/440R:	MEK-VALUE/MICROFARAD/VOLTAGE "R"
MEK-35/5/440R:	MEK-VALUE/VALUE/MICROFARAD/VOLTAGE "R"

Part No.	Description	Box QTY (pcs)
MEK-3/440R	3 MFD 370/440V Round	50
MEK-3/440	3 MFD 370/440V Oval	50
MEK-4/440R	4 MFD 370/440V Round	50
MEK-4/440	4 MFD 370/440V Oval	50
MEK-5/440R	5 MFD 370/440V Round	50
MEK-5/440	5 MFD 370/440V Oval	50
MEK-6/440	6 MFD 370/440V Oval	50
MEK-7.5/440R	7.5 MFD 370/440V Round	50
MEK-7.5/440	7.5 MFD 370/440V Oval	50
MEK-10/10/440R	10+10 MFD 370/440V Round	50
MEK-10/440R	10 MFD 370/440V Round	50
MEK-10/440	10 MFD 370/440V Oval	50
MEK-12.5/440R	12 MFD 370/440V Round	50
MEK-12.5/440	12.5 MFD 370/440V Oval	50
MEK-15/3/440R	15+3 MFD 370/440V Round	50
MEK-15/5/440	15+5 MFD 370/440V Oval	50
MEK-15/5/440R	15+5 MFD 370/440V Round	50
MEK-15/7.5/440R	15+7.5 MFD 370/440V Round	50
MEK-15/10/440R	15+10 MFD 370/440V Round	50
MEK-15/440R	15 MFD 370/440V Round	50
MEK-15/440	15 MFD 370/440V Oval	50
MEK-17.5/440	17.5 MFD 370/440V Oval	50
MEK-20/5/440R	20+5 MFD 370/440V Round	50
MEK-20/5/440	20+5 MFD 370/440V Oval	50
MEK-20/7.5/440R	20+7.5 MFD 370/440V Round	50
MEK-20/10/440R	20+10 MFD 370/440V Round	50
MEK-20/440R	20 MFD 370/440V Round	50
MEK-20/440	20 MFD 370/440V Oval	50
MEK-25/3/440	25+3 MFD 370/440V Oval	50

Part No.	Description	Box QTY (pcs)
MEK-25/5/440R	25+5 MFD 370/440V Round	50
MEK-25/5/440	25+5 MFD 370/440V Oval	50
MEK-25/7.5/440R	25+7.5 MFD 370/440V Round	50
MEK-25/7.5/440	25+7.5 MFD 370/440V Oval	50
MEK-25/10/440R	25+10 MFD 370/440V Round	50
MEK-25/15/440	25+15 MFD 370/440V Oval	50
MEK-25/440R	25 MFD 370/440V Round	50
MEK-25/440	25 MFD 370/440V Oval	50
MEK-30/3/440R	30+3 MFD 370/440V Round	50
MEK-30/5/440R	30+5 MFD 370/440V Round	50
MEK-30/5/440	30+5 MFD 370/440V Oval	50
MEK-30/7.5/440R	30+7.5 MFD 370/440V Round	50
MEK-30/7.5/440	30+7.5 MFD 370/440V Oval	50
MEK-30/10/440R	30+10 MFD 370/440V Round	50
MEK-30/15/440R	30+15 MFD 370/440V Round	50
MEK-30/440R	30 MFD 370/440V Round	50
MEK-30/440	30 MFD 370/440V Oval	50
MEK-35/1/440R	35+1 MFD 370/440V Round	50
MEK-35/3/440R	35+3 MFD 370/440V Round	50
MEK-35/3/440	35+3 MFD 370/440V Round	50
MEK-35/5/440R	35+5 MFD 370/440V Round	50
MEK-35/5/440	35+5 MFD 370/440V Oval	50
MEK-35/7.5/440R	35+7.5 MFD 370/440V Round	50
MEK-35/7.5/440	35+7.5 MFD 370/440V Oval	50
MEK-35/10/440R	35+10 MFD 370/440V Round	50
MEK-35/10/440	35+10 MFD 370/440V Oval	50
MEK-35/15/440R	35+15 MFD 370/440V Round	50
MEK-35/440R	35 MFD 370/440V Round	50
MEK-35/440	35 MFD 370/440V Oval	50

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Part No.	Description	Box QTY (pcs)
MEK-40/1/440R	40+1 MFD 370/440V Round	50
MEK-40/3/440R	40+3 MFD 370/440V Round	50
MEK-40/4/440R	40+4 MFD 370/440V Round	50
MEK-40/5/440R	40+5 MFD 370/440V Round	50
MEK-40/5/440	40+5 MFD 370/440V Oval	50
MEK-40/7.5/440R	40+7.5 370/440V Round	50
MEK-40/7.5/440	40+7.5 MFD 370/440V Oval	50
MEK-40/10/440R	40+10 MFD 370/440V Round	50
MEK-40/10/440	40+10 MFD 370/440V Oval	50
MEK-40/440R	40 MFD 370/440V Round	50
MEK-40/440	40 MFD 370/440V Oval	50
MEK-45/3/440R	45+3 MFD 370/440V Round	50
MEK-45/5/440R	45+5 MFD 370/440V Round	50
MEK-45/5/440	45+5 MFD 370/440V Oval	50
MEK-45/7.5/440R	45+7.5 MFD 370/440V Round	50
MEK-45/7.5/440	45+7.5 MFD 370/440V Oval	50
MEK-45/10/440R	45+10 MFD 370/440V Round	50
MEK-45/10/440	45+10 MFD 370/440V Oval	50
MEK-45/440R	45 MFD 370/440V Round	50
MEK-45/440	45 MFD 370/440V Oval	50
MEK-50/5/440R	50+5 MFD 370/440V Round	50
MEK-50/5/440	50+5 MFD 370/440V Oval	50
MEK-50/7.5/440R	50+7.5 MFD 370/440V Round	50
MEK-50/7.5/440	50+7.5 MFD 370/440V Oval	50
MEK-50/10/440R	50+10 MFD 370/440V Round	50
MEK-50/440R	50 MFD 370/440V Round	50
MEK-50/440	50 MFD 370/440V Oval	50
MEK-55/4/440R	55+4 MFD 370/440V Round	50
MEK-55/5/440R	55+5 MFD 370/440V Round	50

Part No.	Description	Box QTY (pcs)
MEK-55/5/440	55+5 MFD 370/440V Oval	50
MEK-55/7.5/440R	55+7.5 MFD 370/440V Round	50
MEK-55/7.5/440	55+7.5 MFD 370/440V Oval	50
MEK-55/10/440R	55+10 MFD 370/440V Round	50
MEK-55/15/440R	55+15 MFD 370/440V Round	50
MEK-55/440R	55 MFD 370/440V Round	50
MEK-55/440	55 MFD 370/440V Oval	50
MEK-60/5/440R	60+5 MFD 370/440V Round	50
MEK-60/5/440	60+5 MFD 370/440V Oval	50
MEK-60/7.5/440R	60-7.5 MFD 370/440V Round	50
MEK-60/10/440R	60+10 MFD 370/440V Round	50
MEK-60/10/440	60+10 MFD 370/440V Oval	50
MEK-60/440R	60 MFD 370/440V Round	50
MEK-60/440	60 MFD 370/440V Oval	50
MEK-65/7.5/440R	65+7.5 MFD 370/440V Round	50
MEK-70/5/440R	70+5 MFD 370/440V Round	50
MEK-70/5/440	70+5 MFD 370/440V Oval	50
MEK-70/7.5/440R	70+7.5 MFD 370/440V Round	50
MEK-70/10/440R	70+10 MFD 370/440V Round	50
MEK-70/440R	70 MFD 370/440V Round	50
MEK-70/440	70 MFD 370/440V Oval	50
MEK-80/5/440R	80+5 MFD 370/440V Round	50
MEK-80/5/440	80+5 MFD 370/440V Oval	50
MEK-80/7.5/440R	80+7.5 MFD 370/440V Round	50
MEK-80/7.5/440	80+7.5 MFD 370/440V Oval	50
MEK-80/10/440R	80+10 MFD 370/440V Round	50
MEK-80/440R	80 MFD 370/440V Round	50
MEK-80/440	80 MFD 370/440V Oval	50

Disconnect - Metallic

Features

- ✓ Non-Fused Pullout
- ✓ Rated NEMA 3R for outdoor use
- ✓ Line, load, and ground terminals aligned for easy hook up with heavy wires
- ✓ Full dead front
- ✓ Knockouts accommodate three sizes (1/2", 3/4", and 1")
- ✓ Rear, bottom and side entry knockouts
- ✓ Heavy gage steel case
- ✓ Large internal wiring space
- ✓ Individually wrapped in boxes of 6
- ✓ Folding pivot locking tab
- ✓ UL approved



Part No.	Description	Box QTY (pcs)
MKFYDNS60	AC Disconnect - Metal 60A Non-Fused Pullout	48/56/60/70
MKFYDFS30	AC Disconnect - Metal 30A Fused Pullout	48/56/60/70
MKFYDFS60	AC Disconnect - Metal 60A Fused Pullout	48/56/60/70

DISCONNECTS - NON-METALLIC

Features

- ✓ Amperage Rating: 30 and 60A
- ✓ Rated NEMA 3R for outdoor use
- ✓ Non-fused pullout
- ✓ Standard 1/4" head screw on dead front
- ✓ Great for salt air regions
- ✓ Plastic non-metallic enclosures have a single unit door and protective shield for installer convenience
- ✓ Plastic non-metallic enclosures are durable and provide excellent weather resistance
- ✓ Rear, bottom and side entry knockouts
- ✓ Individually wrapped in boxes of 6
- ✓ UL approved



Part No.	Description	Box QTY (pcs)
MKFYDNP60	AC Disconnect - Plastic 60A Non-Fused Pullout	30/36
MKFYDFP30	AC Disconnect - Plastic 30A Fused Pullout	30/36
MKFYDFP60	AC Disconnect - Plastic 60A Fused Pullout	30/36

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Pressure Switches

Description

The MKP-S Series MeK-Tronics Pressure Switches are a dependable solution for pressure regulation in refrigeration and air conditioning systems. They offer compatibility with R22, R410A refrigerants, and traditional pressure setting switches. These pressure switches are technologically advanced, incorporating hermetically sealed sensors and regenerative functions for precise and sustained readings. Additionally, they are compliant with A2L refrigerant gases and certified by UL/CUL for safety assurance.

Specifications:

- ✓ Contacts rated at 3 Amps (36VDC/250VAC)
- ✓ Operating at ambient temperature up to 80°C
- ✓ 6.0FLA - 36.0LRA @ 120VAC / 3.0FLA - 18.0LRA @ 240VAC

Low Pressure Cut-Out - Open on Pressure Drop, Automatic Reset Normally Open

MKT AM P/N	Opening Pressure (psig)	Closing Pressure (psig)	Mounting
MKP-S-341	5	20	1/4" Female Flare S.A.E. Mounting
MKP-S-342	5	30	1/4" Female Flare S.A.E. Mounting
MKP-S-343	10	25	1/4" Female Flare S.A.E. Mounting
MKP-S-344	15	35	1/4" Female Flare S.A.E. Mounting
MKP-S-345	20	45	1/4" Female Flare S.A.E. Mounting
MKP-S-372	22	50	1/4" Copper Clad SS Tube
MKP-S-373	25	40	Gold Contacts 1/4" Female Flare
MKP-S-346	25	50	1/4" Female Flare S.A.E. Mounting
MKP-S-347	25	65	1/4" Female Flare S.A.E. Mounting
MKP-S-348	25	80	1/4" Female Flare S.A.E. Mounting
MKP-S-349	35	60	1/4" Female Flare S.A.E. Mounting
MKP-S-350	40	80	1/4" Female Flare S.A.E. Mounting
MKP-S-351	45	60	1/4" Female Flare S.A.E. Mounting
MKP-S-352	50	90	1/4" Female Flare S.A.E. Mounting
MKP-S-374	50	95	1/4" Copper Clad SS Tube
MKP-S-353	75	100	1/4" Female Flare S.A.E. Mounting
MKP-S-375	90	120	1/4" Female Flare
MKP-S-354	150	225	1/4" Female Flare S.A.E. Mounting
MKP-S-355	170	250	1/4" Female Flare S.A.E. Mounting



High Pressure Cut-Out - Open on Pressure Raise, Automatic Reset, Normally Closed

MKT AM P/N	Opening Pressure (psig)	Closing Pressure (psig)	Mounting
MKP-S-337	200	150	1/4" Female Flare S.A.E. Mounting
MKP-S-321	225	150	1/4" Female Flare S.A.E. Mounting
MKP-S-322	250	150	1/4" Female Flare S.A.E. Mounting
MKP-S-324	275	195	1/4" Female Flare S.A.E. Mounting
MKP-S-325	300	200	1/4" Female Flare S.A.E. Mounting
MKP-S-326	325	225	1/4" Female Flare S.A.E. Mounting
MKP-S-320	350	245	1/4" Female Flare S.A.E. Mounting
MKP-S-327	350	250	1/4" Female Flare S.A.E. Mounting
MKP-S-328	375	275	1/4" Female Flare S.A.E. Mounting
MKP-S-331	400	300	1/4" Female Flare S.A.E. Mounting
MKP-S-311	410	310	1/4" Female Flare S.A.E. Mounting
MKP-S-332	425	325	1/4" Female Flare S.A.E. Mounting
MKP-S-333	425	350	1/4" Female Flare S.A.E. Mounting
MKP-S-334	450	350	1/4" Female Flare S.A.E. Mounting
MKP-S-365	590	435	1/4" Female Flare w/snubber
MKP-S-335	600	475	1/4" Female Flare S.A.E. Mounting
MKP-S-366	610	450	90 degree elbow w/snubber
MKP-S-338	610	450	1/4" Female Flare S.A.E. Mounting
MKP-S-339	630	480	1/4" Female Flare S.A.E. Mounting
MKP-S-367	650	493	1/4" Copper Clad SS Tube w/snubber

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Fan Cycling - Close on Pressure Raise

MKT AM P/N	Opening Pressure (psig)	Closing Pressure (psig)	Mounting
MKP-S-301	75	100	1/4" Female Flare S.A.E. Mounting
MKP-S-302	110	170	1/4" Female Flare S.A.E. Mounting
MKP-S-303	145	265	1/4" Female Flare S.A.E. Mounting
MKP-S-304	150	225	1/4" Female Flare S.A.E. Mounting
MKP-S-305	190	275	1/4" Female Flare S.A.E. Mounting
MKP-S-370	180	240	1/4" Female Flare, S.A.E. Mounting
MKP-S-306	210	275	1/4" Female Flare S.A.E. Mounting
MKP-S-307	300	400	1/4" Female Flare S.A.E. Mounting

Manual Reset - High Pressure Cut Out Open on Pressure Raise

MKT AM P/N	Opening Pressure (psig)	Closing Pressure (psig)	Mounting
MKP-S-314	415	Manual	Capi lary Tube
MKP-S-315	440	Manual	Capi lary Tube
MKP-S-316	475	Manual	1/4" Female Flare S.A.E. Mounting
MKP-S-368	590	Manual	1/4" Female Flare w/snubber
MKP-S-369	610	Manual	1/4" Female Flare w/snubber

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