







MODEL	RANGE	SIZES	INPUT	CONTROLLERS, ON/OFF, PID,	REF.	
<b>On/Off Switched Thermostats. Best Value. (32x74) and (32x65). °C</b>						
<b>OT 31-AZ</b> +PTC Probe (Substitute to OT31-A)	-50,0/+150,0°C -50,0/+110,0°C	32x74 x65	PTC NTC	Digital Controller. Cold/Heat .1 switched Relay/Alarm. ON/OFF. Defrost by stopping the compressor. 1 Digital input. Parameters Protection by "LOCK" password. User Configurable Decimal Point between -50,0 / +150,0. IP65 Front Panel. Power supply 230...100Vac. With connector for COPY-KEY device.+ Options.	11001	 32x74 x65
<b>OT 31-AZB</b> +PTC Probe	-50,0/+150,0°C -50,0/+110,0°C		PTC NTC	Same features as OT31-AZ + 1 Relay/alarm. Audible alarm. With digital input Power supply 100...230V. + Options	11002	
<b>OT 31-Z</b> +PTC Probe	-50,0/+150,0°C -50,0/+110,0°C		PTC NTC	Same features as OT31-AZ Power supply 12 Vac/dc . + Options.	11003	
<b>Options</b> OT 31-Z			24 Vac/dc	Power supply 24 Vac/dc.	1100A	
<b>FM 31-A</b>	-40/+60°C	32x65 x50	NTC	Digital Thermostat. Heat/Cold/Defrost by stopping the compressor. Compact size, Extra slim (Depth 50 mm). Power supply 230V . + Options	11004	 32x65 x50 (230 V.)
<b>1 Stage/Alarm Controllers. On/Off. PID. Autotuning. (32x74). °C HR% Bar mA (Copy-Key)</b>						
<b>OK 31 A-O</b> (230...100 Vac.) <b>OK 31-O</b> (12 Vac/dc.)	-50,0/+150,0°C -50,0/+110,0°C	32x74 x65	PTC NTC	Digital Temperature Controller. PTC, NTC. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. With connector for COPY-KEY device. + Options.	11005	 OK 31 (1 Relé)
<b>OK 31 A-PT</b> (230...100 Vac.) <b>OK 31-PT</b> (12 Vac/dc.)	-199,9/+600,0°C 0/+1000°C 0/+1370°C 0/+1760°C		PT100 Thermopar J Thermopar K Thermopar S	Digital Temperature Controller. PT100. J/K/S Thermopar 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. With connector for COPY-KEY device. + Options.	11007	
<b>OK 31 A-MA</b> (230...100 Vac.) <b>OK 31-MA</b> (12 Vac/dc.)	-1999/+9999 -199,9/+999,9 -19,99/+99,99		0/4...20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. Additional 12 Vdc Output for passive probes With connector for COPY-KEY device. + Options.	11009	
<b>OK 31 A-V</b> (230...100 Vac.) <b>OK 31-V</b> (12 Vac/dc.)	-1999/+9999 -199,9/+999,9 -19,99/+99,99		0...1 Vdc. 0/1...5 Vdc. 0/2...10 Vdc.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. Additional 12 Vdc Output for passive probes With connector for COPY-KEY device. + Options.	11011	
<b>Options</b> OK 31			24 Vac/dc.	24 Vac/dc Power supply.	1100B	
			SSR	Switching from Relay/Alarm to SSR 8 mA/8 Vdc at the Voltage output.	1100C	
		2 Displays	Choice of 2 Displays. 4 Digits. real measure (at the top) and SET value (at the bottom)	1100D		
<b>Accessories</b> OK 31 OT 31			COPY-KEY 05	Device to program the apparatus rapidly and without errors. Once the apparatus configured, easily transfer its parameters to another one.	11013	 COPY-KEY 05

MODEL	RANGE	SIZES	INPUT	CONTROLLERS, ON/OFF, PID, Neutral ZONE	REF.
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**2 Stages/Alarms Controllers. On/Off. PID. Neutral Zone. (32x74). °C HR% Bar mA (Copy-Key)**

<b>OK 51 A-O</b> (230...100 Vac.) <b>OK 51-O</b> (12 Vac/dc.)	-50,0/+150,0°C -50,0/+110,0°C	32x74 x65	PTC NTC	Digital Temperature Controller. PTC, NTC. 1 Display. 4 digits. 2 Switched Relay/Alarm of control.	11014
				ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. With connector for COPY-KEY device. + Options.	11015
<b>OK 51 A-PT</b> (230...100 Vac.) <b>OK 51-PT</b> (12 Vac/dc.)	-199,9/+850,0°C 0/+1000°C 0/+1370°C 0/+1760°C	32x74 x65	PT100	Digital Temperature Controller. PT100. J/K/S Thermopar 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. With connector for COPY-KEY device. + Options.	11016
			Thermopar J		11017
			Thermopar K Thermopar S		
<b>OK 51 A-MA</b> (230...100 Vac.) <b>OK 51-MA</b> (12 Vac/dc.)	-1999/+9999 -199,9/+999,9 -19,99/+99,99	32x74 x65	0/4...20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. Additional 12 Vdc Output for passive probes With connector for COPY-KEY device. + Options.	11018
					11019
<b>OK 51 A-V</b> (230...100 Vac.) <b>OK 51-V</b> (12 Vac/dc.)	-1999/+9999 -199,9/+999,9 -19,99/+99,99	32x74 x65	0...1 Vdc. 0/1...5 Vdc. 0/2...10 Vdc.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. Additional 12 Vdc Output for passive probes With connector for COPY-KEY device. + Options.	11020
					11021
<b>Options</b> <b>OK 51</b>			24 Vac/dc.	24 Vac/dc Power supply.	1100E
			SSR	Switching from the Relay/Alarm to SSR 8 mA/8 Vdc at the Voltage output.	1100F
			2 Displays	Choice of 2 Displays. 4 Digits. Current measure (at the top) and SET value (at the bottom)	1100G



**4 Stages/Alarms Controllers. On/Off. PID. Neutral Zone. (32x74). °C HR% Bar mA (Copy-Key)**

<b>OK 41-O-4R</b> (12 Vac/dc.)	-50,0/+150,0°C -50,0/+110,0°C	32x74 x65	PTC NTC	Digital Temperature Controller. PTC, NTC. 1 Display. 4 digits. Neutral Zone 4 Relays/Alarms of control (2 switched and 2 singles). ON/OFF, PID, Softstart, Autotuning, Selftuning. 4 independent programmable Set points. 2 digital inputs to: change the SET Point, activate or inactivate the relay. IP65 Front Panel. With connector for COPY-KEY device. + Options.	11022
<b>OK 41-PT-4R</b> (12 Vac/dc.)	-199,9/+850,0°C -160/+1000°C -270/+1370°C -50/+1760°C		PT100	Digital Temperature Controller. PT100, J/K/S Thermopar. 1 Display. 4 digits. 4 Relays/Alarms of control (2 switched and 2 singles). ON/OFF, PID, Softstart, Autotuning, Selftuning. 4 independent programmable Set points. 2 digital inputs to: change the SET Point, activate or inactivate the relay. IP65 Front Panel. With connector for COPY-KEY device. + Options.	11023
			Thermopar J		
			Thermopar K Thermopar S		
<b>OK 41-MA-4R</b> (12 Vac/dc.)	-1999/+9999 -199,9/+999,9 -19,99/+99,99		0/4...20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 4 Relays/Alarms of control (2 switched and 2 singles). ON/OFF, PID, Softstart, Autotuning, Selftuning. 4 independent programmable Set points. 2 digital inputs to: change the SET Point, activate or inactivate the relay. Additional 12 Vdc Output for passive probes IP65 Front Panel. With connector for COPY-KEY device. + Options.	11024
<b>OK 41-V-4R</b> (12 Vac/dc.)	-1999/+9999 -199,9/+999,9 -19,99/+99,99	0...1 Vdc. 0/1...5 Vdc. 0/2...10 Vdc.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 4 Relays/Alarms of control (2 switched and 2 singles). ON/OFF, PID, Softstart, Autotuning, Selftuning. 4 independent programmable Set points. 2 digital inputs to: change the SET Point, activate or inactivate the relay. Additional 12 Vdc Output for passive probes IP65 Front Panel. With connector for COPY-KEY device. + Options.	11025	
<b>Options</b> <b>OK 41</b>			SSR	Switching from the Relay/Alarm to SSR 10 mA/10 Vdc at the Voltage output.	1100H
			RS485	RS485 Communication port for PLC's, PC, Softwares...	
			2 Displays	Choice of 2 Displays. 4 Digits. real measure (at the top) and SET value (at the bottom)	1100J
<b>Accessories</b> <b>OK 41</b> <b>OK 51</b>			COPY-KEY 05	Device to program the apparatus rapidly and without errors. Once the apparatus configured, easily transfer its parameters to another one.	11013



MODEL	RANGE	SIZES	INPUT	CONTROLLERS, ON/OFF, PID, Neutral ZONE	REF.
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1 Stage/Alarm Thermostats. (Round Box 72x72). °C					
OC 32-O	-50/+150°C -9.9/+99.9°C	72x72 x90	PTC	Digital Temperature Controller. 3 digits. 60 mm ø Round box. 1 Switched Relay/Alarm. ON/OFF. IP54 Front panel. Power supply 230 V.	11026
OC 32-PT	-80/+600°C -9.9/+99.9°C		PT100 Ni100	Digital Temperature Controller. PT100. 3 digits. 60 mm ø Round box. 1 Switched Relay/Alarm. ON/OFF. IP54 Front panel. Power supply 230 V.	11027



72x72 (Round box)

1 Stage/Alarm Thermostats. On/Off. PID. (72x72). °C HR% Bar mA					
OG 32-O	-50/+150°C	72x72 x100	PTC	Digital Temperature Controller. PTC. 1 Display. 4 digits. 1 Switched Relay/Alarm. ON/OFF, PID, Autotuning. IP65 Front panel. Power supply 230 V + Options.	11028
OG 32-PT	-100/+600°C -99.9/+600.0°C		PT100 Ni100	Digital Temperature Controller. PT100. 1 Display. 4 Digits. 1 Switched Relay/Alarm. ON/OFF, PID, Autotuning. IP65 Front panel. Power supply 230 V + Options.	11029
OG 32-J/K/S	0/+1600°C		J,K,S	Digital Temperature Controller. J/K/S Thermopar. 1 Display. 4 Digits. 1 Switched Relay/Alarm. ON/OFF, PID, Autotuning. IP65 Front panel. Power supply 230 V + Options.	11030
OG 32-MA	-999 /+7000 -99.9/+700.0		4-20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 Digits. 1 Switched Relay/Alarm. ON/OFF, PID, Autotuning. Additional 12 Vdc Output for passive probes. IP65 Front panel. Power supply 230 or 110 Vac + Options.	11031



72x72

2 Stages/Alarms Thermostats. On/Off. PID. Neutral Zone. (72x72). °C HR% Bar mA					
OG 52-O	-50/+150°C	72x72 x100	PTC	Digital Temperature Controller. PTC. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, Neutral Zone, PID, Autotuning. IP65 Front panel. Power supply 230 V + Options.	11032
OG 52-PT	-100/+600°C -99.9/+600.0°C		PT100 Ni100	Digital Temperature Controller. PT100. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, Neutral Zone, PID, Autotuning. IP65 Front panel. Power supply 230 V+ Options.	11033
OG 52-J/K/S	0/+1600°C		J,K,S	Digital Temperature Controller. J/K/S Thermopar. 1 Display. 4 digits. Switched Relays/Alarms of control. ON/OFF, Neutral Zone, PID, Autotuning. IP65 Front panel. Power supply 230 V+ Options.	11034
OG 52-MA	-999 /+7000 -99.9/+700.0		4-20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, Neutral Zone, PID, Autotuning. Additional 12 Vdc Output for passive probes. IP65 Front panel. Power supply 230 V+ Options.	11035
Options OG 32 OG 52			110 Vac.	Power supply 110 Vac .	1100K
			24 Vac/dc	Power supply 24 Vac/dc .	1100L
			0...20 mA.	It is possible to convert the signal from 4..20 mA to 0..20 mA	1100M



72x72

1 Stage/Alarm Thermostats. On/Off. PID. (96x96). °C HR% Bar mA					
OG 96-PT	-100/+600°C -99.9/+600.0°C	96x96 x70	PT100 Ni100	Digital Temperature Controller. PT100. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Autotuning. IP54 Front panel. Power supply 230 V+ Options.	11036
OG 96-J/K/S	0/+1600°C		J,K,S	Digital Temperature Controller. J/K/S Thermopar. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Autotuning. IP54 Front panel. Power supply 230 V+ Options.	11037
OG 96-MA	-999 /+7000 -99.9/+700.0		4...20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Autotuning. Additional 12 Vdc Output for passive probes. IP54 Front panel. Power supply 230 V+ Options.	11038



96x96

2 Stages/Alarms Controllers. On/Off. PID. Neutral Zone. (96x96). °C HR% Bar mA					
OG 96-PT2	-100/+600°C -99.9/+600.0°C	96x96 x70	PT100 Ni100	Digital Temperature Controller. PT100. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, Neutral Zone, PID, Autotuning. IP54 Front panel. Power supply 230 V+ Options.	11039
OG 96-J/K/S2	0/+1600°C		J,K,S	Digital Temperature Controller. J/K/S Thermopar. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, Neutral Zone, PID, Autotuning. IP54 Front panel. Power supply 230 V+ Options.	11040
OG 96-MA2	-999 /+7000 -99.9/+700.0		4...20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, Neutral Zone, PID, Autotuning. Additional 12 Vdc Output for passive probes. IP54 Front panel. Power supply 230 V + Options.	11041
Options OG 96 OG96-2			110 Vac.	Power supply 110 Vac .	1100N
			24 Vac/dc	Power supply 24 Vac/dc .	1100P
			0...20 mA.	It is possible to convert the signal from 4..20 mA to 0..20 mA	1100Q

MODEL	RANGE	SIZES	INPUT	CONTROLLERS, ON/OFF, PID, Neutral ZONE DIN RAIL	REF.
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**1 Stage/Alarm Controllers. On/Off. PID. (Rail DIN). °C HR% Bar mA (Copy-Key)**

ORK 31-O	-55.0/+150.0°C -55.0/+110.0°C	84x69 x60 Rail DIN	PTC NTC	Digital Temperature Controller PTC, NTC. DIN Rail mounting. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. Power supply 230...100 Vac. With connector for COPY-KEY device. + Options.	11042
ORK 31-PT	-199.9/+850.0°C		PT100	Digital Temperature Controller. PT100. J/K/S Thermopar. DIN Rail mounting. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. Power supply 230...100 Vac. With connector for COPY-KEY device. + Options.	11043
	-100/+1000°C		Thermopar J		11044
	-100/+1370°C		Thermopar K		
	-50/+1760°C		Thermopar S		
ORK 31-MA	-1999/+9999 -199.9/+999.9 -19.99/+99.99	0/4...20 mA.	Digital Controller for Humidity, Pressure, Process. DIN Rail mounting. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. Additional 10 Vdc Output for passive probes. IP65 Front Panel. Power supply 230...100 Vac. With connector for COPY-KEY device. + Options.	11045	
ORK 31-V	-1999/+9999 -199.9/+999.9 -19.99/+99.99	0...1 Vdc. 0/1...5 Vdc. 0/2...10 Vdc.	Digital Controller for Humidity, Pressure, Process. DIN Rail mounting. 1 Display. 4 digits. 1 Switched Relay/Alarm of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. Additional 10 Vdc Output for passive probes. IP65 Front Panel. Power supply 230...100 Vac. With connector for COPY-KEY device. + Options.	11046	
Options ORK 31		24 Vac/dc.	24 Vac/dc Power supply.	1100R	
		SSR	Switch from the Relay/Alarm to SSR 8 mA/8 Vdc at the Voltage output.	1100S	
		RS485	RS485 Communication + 1 Digital input	1100T	



**2 Stages/Alarms Controllers. On/Off. PID. Neutral Zone. (Rail DIN). °C HR% Bar mA (Copy-Key)**

ORK 51-O	-55.0/+150.0°C -55.0/+110.0°C	84x69 x60 Rail DIN	PTC NTC	Digital Temperature Controller. PTC, NTC. 1 Display. 4 digits. 2 Switched Relay/Alarm of control. ON/OFF, PID, neutral Zone Softstart, Autotuning, Selftuning. IP65 Front Panel. Power supply 230...100 Vac With connector for COPY-KEY device. + Options.	11047
ORK 51-PT	-199.9/+850.0°C		PT100	Digital Temperature Controller. PT100. J/K/S Thermopar 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. IP65 Front Panel. Power supply 230...100 Vac . With connector for COPY-KEY device. + Options.	11048
	0/+1000°C		Thermopar J		
	0/+1370°C		Thermopar K		
	0/+1760°C		Thermopar S		
ORK 51-MA	-1999/+9999 -199.9/+999.9 -19.99/+99.99	0/4...20 mA.	Digital Controller for Humidity, Pressure, Process. 1 Display. 4 digits. 2 Switched Relays/Alarms of control. ON/OFF, PID, Softstart, Autotuning, Selftuning. Additional 10 Vdc Output fo passive probes IP65 Front Panel. Power supply 230...100 Vac . With connector for COPY-KEY device. + Options.	11049	
ORK 51-V	-1999/+9999 -199.9/+999.9 -19.99/+99.99	0...1 Vdc. 0/1...5 Vdc. 0/2...10 Vdc.		11050	
Options ORK 51		24 Vac/dc.	24 Vac/dc Power supply.	1100U	
		Extra Relay	Custom installation with 3 alarm/control relays	1100V	
		SSR	Switch from the Relay/Alarm to SSR 8 mA/8 Vdc at the Voltage output.	1100W	
		RS485	RS485 Communication + 1 Digital input	1100X	



Accessories ORK 31 ORK 51			COPY-KEY 05	Device to program the apparatus rapidly and without errors. Once the apparatus configured, easily transfer its parameters to another one.	11013
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