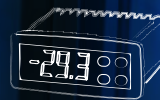




**CONTROL OF THE
INDUSTRIAL E
COMMERCIAL
REFRIGERATION.**



COMPANY PROFILE

Ascon Tecnologic is an Italian company, part of an international group, that develops, manufactures and commercializes a complete range of products for the control and automation of machinery and systems in the manufacturing and processing sectors as well as that of industrial and commercial refrigeration.

The group Ascon Tecnologic has more than 200 employees and, in its productive plants, realizes every year over a million of instruments.

Ascon Tecnologic operates in over 50 countries with 6 branches, its own agents and a distribution network, offering clients sales and after-sales assistance.

CERTIFICATIONS, SAFETY AND STANDARDS

The company Ascon Tecnologic is certified UNI EN ISO 9001: 2015. The instruments manufactured are intended for use in compliance with current regulations, CE marked according to the Directives 2006/95 / EC (low Voltage) and 2004/108 / CE (EMC). Each instrument produced by Ascon Tecnologic is provided with relevant specific documentation and individual certification with the details of the applicable standards.

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THERMOSTATS AND CONTROLLERS



FEATURES		E30	E31	E33	Z31A	Z31	Z31E	Z31Y	Y39	Y39C	Y39E	Y39W	Y33
Dimensions (mm)		78 x 35			78 x 35				78 x 35				
Depth (mm)		34	64 or 75.5 depending on terminals type										
Display	Single	•	•	•	•	•	•	•	•	•	•	•	•
	Double												
Digit		3	3	3	3	3	3	3	3	3	3	3	3
"Sensitive Touch" keyboard					•	•	•	•	•	•	•	•	•
Input	NTC	2	2	3								3	
	PTC-NTC				1	1	2	2	3		2		
	PTC-NTC-4... 20 mA												
	PTC-NTC-PT1000								3				3
	NTC-Pt1000												
	Digital	1	1	1		1	1	1	1	1	1	1	1
Relay outputs		1	1	3	1	1	2	2	3	3	3	3	3 (*)
Power supply	12 Vac/Vdc				•	•	•	•	•	•	•	•	•
	12... 24 Vac/Vdc				•	•	•	•	•	•	•	•	•
	24 Vac/Vdc				•	•	•	•	•	•	•	•	•
	100... 240 Vac				•	•	•	•	•	•	•	•	•
	115 Vac or 230 Vac	•	•	•									•
Control					•	•	•	•	•	•	•	•	•
ENERGY SAVING functions		•	•	•			•				•		•
Defrost at intervals by stopping compressor		•	•			•							
Defrosting control: at intervals time, at reaching temperature, at programmed times by stopping compressor, by electrical heating or hot gas/reverse cycle				•			•	•	•	•	•		•
REAL TIME CLOCK function									•				
HACCP functions													
Single/Dual Loop												•	
Temperature + humidity control													
RS485 on board													
CE certification		•	•	•	•	•	•	•	•	•	•	•	•
UL certification			•	•	•	•	•	•	•	•	•	•	•

(*) Y33: 1 output is 30A relay type.



X33H	X30	X34	TLZ12P	TLY25	TLY26	TLY29
	78 x 35					
			64 or 75.5 depending on terminals type			
		•	•	•	•	•
•						
4		3	4	3	3	3
		•				
				2	2	2
3						
	4	4				
			1			
1+2	2	2+2	1	1	1	1
4	4	4	2	4	4	3
	•		•	•	•	•
		•				
•	•	•	•	•	•	•
•	•	•	•	•	•	•
		•		•	•	•
•						
		•			•	•
•		•	•	•	•	•
			•	•	•	•

THERMOSTATS AND CONTROLLERS



FEATURES		W09	W09Y	W09C	E51A	E51
Dimensions (mm)		75 x 122			68 x 35	
Depth (mm)		34			64 or 75.5 depending on terminals type	
Display	Single	•	•	•	•	•
	Double					
Digit		3	3	3	3	3
"Sensitive Touch" keyboard						
Input	NTC					
	PTC-NTC	1	3	3	1	1
	PTC-NTC-4... 20 mA					
	PTC-NTC-PT1000					
	NTC-Pt1000					
	Digital		1	1		
Relay outputs		1	3	3	1	1
Power supply	12 Vac/Vdc				•	•
	12... 24 Vac/Vdc					
	24 Vac/Vdc					
	100... 240 Vac	•	•	•		
	115 Vac or 230 Vac				•	•
Control	ON/OFF	•	•	•	•	•
ENERGY SAVING functions						
Defrost at intervals by stopping compressor		•				•
Defrosting control: at intervals time, at reaching temperature, at programmed times by stopping compressor, by electrical heating or hot gas/reverse cycle			•	•		
REAL TIME CLOCK function				•		
HACCP functions						
Single/Dual Loop						
Temperature + humidity control						
RS485 on board						
CE certification		•	•	•	•	•
UL certification						



TLY35	TLZ35	TLW24	TLB29	B05+P03	B05+P05
70 x 84 4 DIN module		185 x 38	96 x 50	92 x 92 + 96 x 50	92 x 92 + 135 x 97
60		78	60	27.8 + 22.5	
•	•	•	•	(*)	(*)
4	4	4	2	2	2
			•	•	•
2	1	2	2		
				3	3
1	1	1	2	2+1	2+1
4	2	4	3	4	4
•	•	•			
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

(*) B05: it is only the power unit; to obtain the measuring visualization it must be connected to external displays P03 or P05.

INDICATORS



FEATURES		E50	E30V	Z31V	K31V
Dimensions (mm)		64 x 31	78 x 35	78 x 35	78 x 35
Single display		•	•	•	•
Digit		2 1/2	3	3	4
Input	NTC	•	•		
	PTC-NTC			•	
	J-K-S-R-T + IR + PTC-NTC				•
	J-K-S-R-T + IR + Pt100				•
	0/4... 20 mA, 0/1... 5 V, 0... 10V				•
Outputs	Digital				2
			1	1	4
Power supply	12 Vac/Vdc		•	•	•
	12... 24 Vac/Vdc			•	
	24 Vac/Vdc		•		•
	230 V (Double isolation probe)	•			
	115, 230 Vac		•		
	100... 240 Vac			•	•
	12 Vdc (by the instrument)				
	1.5 Vdc battery				
Solar cell					
RS485 Modbus					•
CE certification		•	•	•	•
UL certification				•	•



K38V	K48V	K85V	E51V	TLCD	TVRY	X31L
78 x 35	48 x 48	B/DIN	68 x 35	Varie	64 x 31	78 x 35
•	•	•	•	•	•	•
4	4	4	3	2	2 1/2	3
			•			
•	•	•				•
•	•	•				
•	•	•				
	2	2				10
2	3	3				1
			•			
•	•	•				
			•			
•	•	•			•	•
				•		
		•		•		
•	•	•	•	•	•	•
•	•	•				

SPECIAL CONTROLLERS



FEATURES		K31D	Y39D
Dimensions (mm)		78 x 35	78 x 35
Single display		•	•
Digit		4	3
Inputs	Inputs number	2	2
	PTC-NTC	•	•
	Pt1000		•
	TC J,K,S, IR + PT100		
	TC J,K,S, IR + PTC, NTC		
	0/4... 20mA		
Outputs	o/10... 50mV, o/12... 60mV, o/1... 5V, o/2... 10V		
	Digital	2	1
	Relay	4	3
Power supply	Voltage 12... 24 Vdc and Vdc x SSR (10mA/Vdc) output		
	12 Vac/Vdc	•	•
	12... 24 Vdc		
	24 Vac/Vdc	•	•
Control	100... 240 Vac	•	•
	ON/OFF		•
	ON/OFF, Neutral zone, single and double action PID	•	
RS485	Peltier cells: double action PID, FAST Autotuning algorithms, Selftuning, Fuzzy overshoot control		
		•	
Control function	Differential	•	•
	For Peltier cells		
	For milk tanks		
CE certification		•	•
UL certification		•	•



FEATURES	TLS35	WogD	TLK33	TLJ29M	TLJ35M
Dimensions (mm)	70 X 84 4 DIN module	75 x 122	78 x 35	78 x 35	70 X 84 4 DIN module
Single display	•	•	•	•	•
Digit	4	3	4	4	4
Inputs	2	3	1	1	1
	•	•			
			•		
			•		
			•		
Outputs	1	1	2	1	1
	3	3		3	3
			2		
Power supply	•			•	•
			•		
	•			•	•
	•	•		•	•
Control	•	•		•	•
			•		
RS485			•		
			•		
Control function	•	•			
			•		
				•	•
CE certification		•	•	•	•
UL certification			•	•	•

PAC SYSTEM



FEATURES		NP4	EP4
Dimensions (mm)		105 x 110 6 DIN module	105 x 110 6 DIN module
Inputs	Universal (mA, V, TC, RTD, NTC, Potentiometer)	4 (16 bit)	4 (16 bit)
	24 Vdc digital	8...16	8...16
	Digital for fast counting	2	2
Outputs	Relay or voltage for SSR drive outputs	0...4	0...4
	Analogue current or voltage outputs	0/2/4	0/2/4
	24 Vdc digital	8...16	8...16
Control type	ON/OFF, PID with advanced Autotuning	•	
	Servomotor control	•	
Power supply	24 Vdc	•	•
Processor 32 bit		•	•
Memory	16 MB Flash, 32 MB SDRAM, 128 kB MRAM	•	
Micro USB (Data log, programming, Fw updates)		• (AB type)	
Real Time Clock		•	
Ethernet port (configuration, communication, programming)		•	
RS485		•	•
RS232/RS485		1	
Modbus RTU protocol		Master/Slave	Slave (remote)
Modbus TCP protocol		Server	
Programming languages: IL, ST, FBD, LD, SFC, CFC		•	
Advanced libraries dedicated to process control		•	
CE certification		•	•
UL certification (certification available within the first half of 2019)		•	•



	XP4	AC3NP
Dimensions (mm)	105 x 110 6 DIN module	72 x 144 8 DIN module
Inputs	12 (12 bit)	4 (16 bit)
	0...8	10
Outputs	0...8	0...4
	0...2 (0...10V only)	0...4
Control type		•
Power supply	•	•
Processor 32 bit	•	•
Memory		•
Micro USB (Data log, programming, Fw updates)		•
Real Time Clock		•
Ethernet port (configuration, communication, programming)		•
RS485	•	•
RS232/RS485		1
Modbus RTU protocol	Slave	Master/Slave
Modbus TCP protocol		Server
Programming languages: IL, ST, FBD, LD, SFC, CFC		•
Advanced libraries dedicated to process control		•
CE certification	•	•
UL certification (certification available within the first half of 2019)	•	•

nanoPAC



PROGRAMMING

- IEC 61131-3 (IL, ST, FBD, LD, SFC, CFC)



Easy
It allows implementation of new functions or values to be monitored, thanks to its open programming logic and wide availability of functional blocks, ready to use.



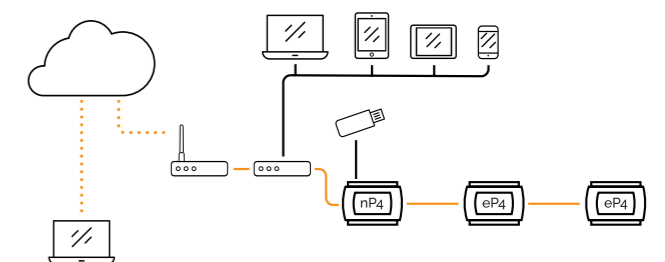
Versatile
Functionalities can be expanded by using additional modules, which increase the number of available resources, allowing the management of even more complex machines.



Connected
It connects machines and aligns them with the requirements necessary to access incentives and super-amortization provided by the 4.0 industry. Thanks to remote management, it reports real-time alarms, malfunctions and useful data for preventive maintenance.



Practical
It offers freedom to use 6 universal IEC61131-3 languages. This feature allows to use the best tool for each type of application functionality.



OPERATOR PANELS



FEATURES	PM 35	OPMT 8050IE	OPMT 8071IE
Dimensions (inches)	3.5"	4.3"	7"
Flash MB memory	128	128	128
RAM MB memory	64	128	128
Colors	65536	16M	16M
Slot SD/SDHC card			
USB Host	•	•	•
USB Client	•		
Ethernet		•	•
Power supply	24 Vac/Vdc	•	•
Video			
COM1 RS232			•
COM1 RS232/485 2 and 4 wires		•	
COM1 RS485 2 wires			
COM1 RS232/RS422/RS485/ (RS232+RS485)	•		
COM2 RS232			
COM2 RS485 2 and 4 wires			•
COM3 RS232/485 2 wires			
COM3 RS485 2 wires		•	•
COM3 RS485 2 wires/RS232			
Programming Software (optional)	•	•	•
Easy access for integrated remote managing			
CE certification	•	•	•
UL certification		•	•



	8073IE	OPMT 8090XE	OPMT 8092XE	OPMT 8121XE	OPMT 8150XE/N
Dimensions (inches)	7"	9.7"	9.7"	12.1"	15"
Flash MB memory	128	512	512	256	256
RAM MB memory	128	256	256	256	256
Colors	16M	16M	16M	16.2 M	16.2M
Slot SD/SDHC card				•	•
USB Host	•	•	•	•	•
USB Client				•	•
Ethernet	2	•	2	•	•
Power supply	•	•	•	•	•
Video					•
COM1 RS232	•	•	•		
COM1 RS232/485 2 and 4 wires				•	•
COM1 RS485 2 wires				•	•
COM1 RS232/RS422/RS485/ (RS232+RS485)					
COM2 RS232					
COM2 RS485 2 and 4 wires	•	•	•		
COM3 RS232/485 2 wires		•		•	•
COM3 RS485 2 wires	•				
COM3 RS485 2 wires/RS232		•	•		
Programming Software (optional)	•	•	•	•	•
Easy access for integrated remote managing	•	•			
CE certification	•	•	•	•	•
UL certification	•		•	•	•

ANALOG/DIGITAL I/O MODULES



FEATURES		D7
Dimensions (mm)		22.5 x 99
Inputs	Thermocouples: L, J, E, T, K, N, S, R, B, Ni-NiMo, W3, W5 Thermoresistances: PT100 Linear signals: 0/10 ... 50 mV; 0/4 ... 20 mA (shunt) Infrared sensors or settable on special scales (custom)	1
	Universal (mA, V, TC, RTD, NTC, Potentiometer)	
	PTC (KTY 81-121, 990 W @ 25°C), NTC (103AT-2, 10 KW @ 25°C) or Pt1000 (1KW @ 0°C)	
	24 Vdc digital	1
Outputs	Digital for fast counting	
	Relay or voltage for SSR drive outputs	2
	Logic, not isolated	
	0/4... 20 mA	1
	Analogue current or voltage outputs	
Signal retransmission		•
RS485		•
Isolated RS485, Modbus-Jbus protocol		•
Modbus RTU protocol		•
Power supply	24 Vac (-25...+12%), 24Vdc (-15...+25%) (50/60Hz)	•
	24 Vdc	•
CE + UL (listed) certification		•
CE + UL certification (certification available within the first half of 2019)		•



D9	D8	X30A	EP4	XP4
22.5 x 99	22.5 x 99	87.5 x 28	105 x 110 6 DIN module	105 x 110 6 DIN module
2				
			4	0... 12
		4		
1		2	8... 16	0... 8
			2	
2	2	4	0... 4	0... 8
2				
			0/2/4	0... 2
		2	8... 16	
		•	•	•
•	•			
				•
•	•	•	•	•
•	•	•	•	•

ANALOG I/O MODULES



FEATURES		AI		
		02UI	04RT	08TC
Dimensions (mm)		76 x 110 Single module	76 x 110 Single module	76 x 110 Single module
Channels	Input	2	4	8
	Outputs			
Inputs	Thermocouples J,K,N,S,R,T	•	•	•
	RTD PT100 and PT1000	•	•	
	Current (mA)	•		
	Voltage (mV)	•	•	•
	Voltage (V)	•		
	Potentiometer	•		
	Double polarity	•		
16 bit resolution		•	•	•
Accuracy 0.1%		•	•	•
Power supply	24 Vdc	•	•	•
Fast acquisition		•		
CanOpen protocol		•	•	•
Modbus RTU protocol			•	•
CE certification + UL (listed)		•	•	•



		AI		AO	
		08HL	08DP	08HL	08DP
Dimensions (mm)		76 x 110 Single module	76 x 110 Single module	76 x 110 Single module	76 x 110 Single module
		8	8	8	8
		•	•	•	
		•	•	•	•
			•		•
		•	•	•	•
		•	•	•	•
		•	•	•	•
		•	•	•	•
		•	•	•	•

DIGITAL I/O MODULES

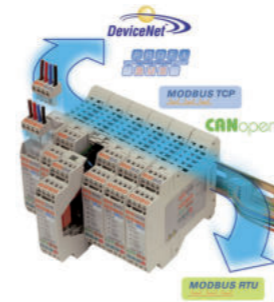
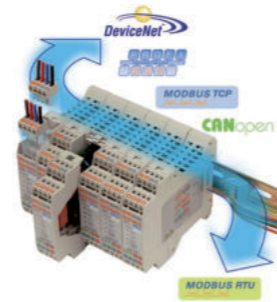


FEATURES		DI			DM
		16LV 76 x 110 Single module	16HV 76 x 110 Single module	32LV 152 x 110 Double module	08TS 76 x 110 Single module
Dimensions (mm)		76 x 110 Single module	76 x 110 Single module	152 x 110 Double module	76 x 110 Single module
Channels	Input	16	16	32	8
	Outputs				8
Inputs	24 Vdc	•		•	•
	120 Vac		•		
Outputs	24 Vdc				•
	250 Vac				
	Relay				
	2A				
	6A				
Power supply	24 Vdc	•	•	•	•
CanOpen protocol		•	•	•	•
Modbus RTU protocol		•			•
CE certification + UL (listed)		•	•	•	•



	DM		DO					
	16TS 76 x 110 Single module	32TS 152 x 110 Double module	16TS 76 x 110 Single module	16TP 76 x 110 Single module	32TS 152 x 110 Double module	04RL 76 x 110 Single module	04TX 76 x 110 Single module	08RL 152 x 110 Double module
Channels	8	16						
	8	16	16	16	32	4	4	8
Inputs	•	•	•	•	•			
	•	•	•	•	•		•	
Outputs						•		•
				•		•		•
							•	
Power supply	•	•	•	•	•	•	•	•
CanOpen protocol	•	•	•	•	•	•	•	•
Modbus RTU protocol			•					
CE certification + UL (listed)	•	•	•	•	•	•	•	•

CONVERTERS - GATEWAY



FEATURES		DX
Dimensions (mm)		22.5 x 99 Deltadue module
Protocol	Modbus RTU	•
	CanOpen	
	Profibus DP	•
	DeviceNet	•
	Modbus TCP	
Functions	Multi master	2
	Instruments Backup (max. 32)	•
	Data transfer (binding)	•
	E-mail and SMS	
	Webserver	
Power supply	TCP Server	
	24 Vac/dc	•
	Self-powered (Power supply given by the instrument to which it is connected)	
CE certification + UL (listed)		•

DY	DY5121	AET1
22.5 x 99 Deltadue module	70 x 85 4 DIN module	28 x 87
•		
•	•	•
8	4	7
	•	
	•	• (configuration)
		•
•	•	•
		•
•	•	•

TEMPERATURE SENSORS



FEATURES	THERMOCOUPLES B-E-J-K-L-N-R-S-T-U-W3-W5	THERMORESISTANCES PT100/ NI100/ PT1000	THERMISTORS PTC/NTC
Sheath dimensions (mm)	Ø 1-1.5-2-3-4-4.5-5-6-7-8-9-10 13.5-15-17.2-20-21.3-26-32-33-35-40	Ø 2-3-4-4.5-4.9-5-6-7-8-10-13 13.5-20	Ø 4-5-6-8
Temperature range	-50... +240°C (F-S-F cable) -40... +200°C (G-G and G-G-S cable) 0... 400°C (Glass fiber cable)	-20... +150°C (PVC cable) -50... +240°C (F-S-F cable) -50... +350°C (K-K cable) -40... +200°C (G-G and G-G-S cable) 0... 400°C (Glass fiber cable)	-30... 80±105°C (PVC cable) -50... 110±120°C (TPE cable) -50... 200±250°C (Silicone cable) -60... 250±300°C (Teflon cable) 0... 350±400°C (Kapton cable) 0... 350°C (Glass fiber cable) 0... 550°C (HT Glass fiber cable)
Outputs	2 wires	2, 3 or 4 wires	2 wires
Sheath material	AISI 304 - AISI 316 - MgO (Mantel)	AISI 304 - AISI 316 - MgO (Mantel)	AISI 316, 303, 304, 305, Nylon, Polypropylene, TPE, Brass, Copper, Aluminum, Silicone
Applications	General uses	•	•
	Portable thermometers	•	•
	Plastic / Rubber	•	•
	Pipelines	•	•
	Flat surfaces	•	•
	Measurements within plates	•	•
	Aerothermal surveys	•	•
	Solar	•	•
	Low, medium and high pressures	•	•
	Naval use	•	•
	Pharmaceutical use/ Laboratories	•	•
	Acid solutions	•	•
	Chemical industry/ Food industry	•	•
	Chemical use	•	•
	Automotive/ Internal combustion engine monitoring	•	•
	Electrical motor protection	•	•
	Industrial and/or food ovens	•	•
	Packaging	•	•
Ceramic industry	•	•	
High temperature/ Melted glass	•	•	
Building automation	•	•	
Conditioning	•	•	
Refrigeration	•	•	

Note: because of the vastness of existing application sectors, we have listed only a few in the table, so do not hesitate to contact us for any information or particular need. All the possible accessories are also available such as threaded sliding fittings, flanges, thermowells, compensation cables.

PRESSURE TRANSMITTERS



FEATURES	TP1	TP3	TP4	TP31
Sensor type	Ceramic and Piezoresistive	Ceramic and Piezoresistive	Ceramic and Piezoresistive	Differential, pressure flow and level
Display			•	•
Pressure range	Between 0... 0.1 bar and 0... 1000 bar Vacuum version: between -0.5 ... 0 bar and -y ... x bar (special calibration on request)			-1.5... +1.5 kPa; -7.5... +7.5 kPa; -186.5...+186.5 kPa (special calibration on request)
Threads type	1/4" G, 1/4" NPT, 3/8" G, 1/2" G, 1/2" NPT (others on request)	1/4" G, 1/4" NPT, 3/8" G, 1/2" G, 1/2" NPT, 1/2" G sep. M44, 1/2" NPT sep. M44, 1/2" G sep. M75, 1/2" NPT sep. M75, 1/2" G mem. facing, 1" G mem. facing, 1 "1/2 G mem. facing, 2" G mem. facing, Swivel DN 25, Swivel DN 40, Swivel DN 50 Triclamp 1 "1/2, Triclamp 2", Triclamp 2 "1/2, Flangetta SO, Flange Ø 79, others on request (piezoresistive sensor)	1/2" G, 1/2" NPT, flange Ø 79, others on request (ceramic sensor); 1/2" G, 1/2" NPT, 1/2" G sep. M44, 1/2" NPT sep. M44, 1/2" G sep. M75, 1/2" NPT sep. M75, 1/2" G mem. facing, 1" G mem. facing, 1 "1/2 G mem. facing, 2" G mem. overlooking, Swivel DN 25, Swivel DN 40, Swivel DN 50, Triclamp 1 "1/2, Triclamp 2", Triclamp 2 "1/2 Flangetta SO, Flange Ø 79, others on request (piezoresistive sensor)	1/2" NPT with adaptive flange 1/4" NPT
Output	4...20mA (2 wires), 21.5 mA max.			4... 20 mA (2 wires), configurable with or without HART communication protocol
Power supply	10... 30 Vdc	12... 40 Vdc	12... 35 Vdc	11.9... 45.9 Vdc
Protection degree	IP65/67	IP65/67	IP67	IP67 or ATEX

INFRARED SENSORS



FEATURES	ZIS 01	ZIS 1X	ZIS 3X
Dimensions (mm)	Ø 20 x 32.5	Ø 12.7 x 36.5	Ø 12.7 x 44.7
Temperature range	0... 200 °C	0... 650 °C	
Measuring ratio	1:1 (60 °C)		3:1 (17 °C)
Housing material	ABS	Inox stainless steel	
Protection degree	IP65		

HUMIDITY TRANSMITTERS



FEATURES	TRH20/ TRH22	TRH21/ TRH42	H1	H3	H5	HL	HS
Dimensions (mm)	Ø 20 x 185	80 x 122 , prof. 50	100 x 100			Ø 85 x 58	Ø 30 x 258
Acquisition	Humidity	Humidity + temperature			Humidity + temperature, Differential	Humidity + temperature	Humidity + temperature
Display (optional)			•	•	•		
Humidity range	5... 95% RH	0... 100% RH	0.0... 100.0% RH	0.0... 100.0% RH	0.0... 100.0% RH	0... 100% RH	0... 100% RH
Temperature range	-10... +70 °C (TRH22 only)	-40... +60 °C (TRH42 only)	-30... +100°C;	-30... +100°C;	-30... +100°C;	-30... +100°C;	-40...+60°C, -20...+30°C
Output	4... 20 mA	4... 20 mA	0/4... 20 mA; 0... 10V;	0/4... 20 mA; 0... 10 V; 0... 1 V; 0... 5 V	0/4...20 mA; 0...10V; 0...1 V	4... 20 mA	4... 20 mA
Power supply	8... 24 Vdc	9... 30 Vdc	18...27 Vac or 20... 30 Vdc			12... 30 Vdc	10... 30 Vdc
Protection degree	IP65			IP66			

AND ALSO...

Solid state relays, Power controllers, Control valves, Servomotors, Electropneumatic converters, Signal converters, Programming keys, Adapters, Power transformers, Modems, Gaskets, Protective caps, Switches, Voltage transformers, Current transformers, ...

THE GROUP

Ascon Tecnologic s.r.l.
viale Indipendenza, 56 - 27029 Vigevano (PV) Italy
tel +39 0381 69 871 · fax +39 0381 69 87 30
info@ascontecnologic.com
www.ascontecnologic.com

Ascon Tecnologic France
BP 76 · 77202 · Marne La vallee Cedex 1 – France
tel +33 1 64 30 62 62 · fax +33 1 64 30 84 98
info@ascontecnologic.fr
www.ascontecnologic.com/fr

Ascon Polska sp. z o.o.
Kochcice ul. Kochanowicka 43
42-713 Kochanowice – Polska
tel +48 34 35 33 619 · fax +48 34 35 33 884
info@ascon.pl
www.ascon.pl

Ascon Tecnologic North America
1111 Brook Park Road
Cleveland · OH 44109 – USA
tel +1 216 485 83 50 · Fax +1 216 398 85 53
info@ascontec-na.com
www.ascontec-na.com

Coel S/A
Rua Clélia 1810 – Lapa
Sao Paulo · SP – CEP 05042-001– Brazil
tel +55 11 2066-3211 · fax +55 11 3046-8601
info@coel.com.br
<http://coel.com.br>

Coelmatic Sapi SA de Cv
Dr. Pedro Noriega #1099
Col Terminal
Monterrey NL CP 64570 – Mexico
tel. +52 81 8104 1012
info@coelmatic.com.mx
www.ascontecnologic.com/es

Ascon Technologic S.r.l.
Viale Indipendenza, 56
27029 Vigevano (PV) Italy
tel +39 0381 69 871
fax +39 0381 69 87 30

info@ascontecnologic.com
www.ascontecnologic.com

