

**KNOW
HOW
CREATES**

**intelligent and
efficient indoor
climate**

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HVAC
CONTROLS & POWER

FLOOR HEATING
ELECTRIC

FLOOR HEATING
HYDRONIC

HVAC POWER AND CONTROLS

PRODUCT CATALOGUE 2015

TYPE	ARTICLE	DATA	EAN-NUMBER
INDUSTRY THERMOSTATS			
THERMOSTAT FOR 35 MM DIN RAIL MOUNTING			
ETI-1221	Thermostat	+10/+110°C, 230V, 10A	5703502532905
ETI-1551	Thermostat	-10/+50°C, 230V, 10A	5703502532875
ETI/F-1551	Thermostat incl. sensor	-10/+50°C, 230V, 10A	5703502532998
DIGITAL THERMOSTATS			
DIGITAL THERMOSTATS FOR DIN-RAIL			
ETN4-1999	- for NTC12k føler ETF-..22/..44/..99	-19.5°C/70.0°C, 230V, 16A	5703502650289
POWER AND STEP CONTROLLERS			
POWER CONTROLLER 25-63A			
EFS-9252	25A	3x230V / 10 kW, 3x400V / 17 kW	5703502550121
EFS-9253*	25A	3x230V / 10 kW, 3x400V / 17 kW	5703502550152
EFS-9402	40A	3x230V / 16 kW, 3x400V / 28 kW	5703502550138
EFSK-9402**	40A	3x230V / 16 kW, 3x400V / 28 kW	5703502550770
EFS-9632	63A	3x230V / 25 kW, 3x400V / 44 kW	5703502550145
EFSK-9632**	63A	3x230V / 25 kW, 3x400V / 44 kW	5703502550787
ETFVP-999	-20/+70°C (scale 0-40°C), 12 kOhm @ 25°C All ETF-.99 sensors (NTC) can be used *) Control in all 3 phases. Can be used with star connection of asymmetrical load **) ESFK-9XX2 must be placed in active airflow	NTC	5703502550640
POWER CONTROLLER 16-25A FOR DIN-RAIL			
EFM-9161	16A	230V / 3.7 kW, 400V / 6.4 kW	5703502540795
EFM-9251	25A	230V / 5.7 kW, 400V / 10 kW Can be used together with the heating controllers TRD and EFRP	5703502540801
POWER CONTROLLER 16A FOR SURFACE WALL MOUNTING			
EFK-23	16A	230V/3.6kW	5703502550442
EFK-40	16A	400V/6.4kW All ETF-.99 sensors (NTC) can be used	5703502550572
POWER CONTROLLER 16A FOR BUILT-IN			
EFH-23	16A	230V/3.6kW	5703502550589
EFH-40	16A	400V/6.4kW All ETF-.99 sensors (NTC) can be used	5703502550596
STEP CONTROLLERS			
STEP CONTROLLER FOR DIN-RAIL			
ETT-6-11	With 6 relays	230V, 6x6A	5703502532042
ETT-6-31	With 6 relays Step control in up to 63 steps of cooling and heating outputs and with time adjustment	24V, 6x6A	5703502532066



ETI



ETN4-1999



EFS



ETFVP-999



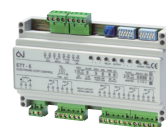
EFM



EFK



EFH



ETT-6

TYPE	ARTICLE	DATA	EAN-NUMBER
TEMPERATURE SENSORS			
SENSOR, FLOOR HEATING			
ETF-112	-20/+280°C, 1000 kOhm @ 25°C	NTC	5703866100390
ETF-122	-40/+120°C, 12 kOhm @ 25°C	NTC	5703866100468
ETF-144/99A	-20/+70°C, 12 kOhm @ 25°C	NTC	5703866101069
ETF-177/88	-50/+70°C, 2,7 kOhm @ 25°C	NTC	5703866100826
ETF-198-3	-50/+120°C, 1000 Ohm @ 0°C	Pt-1000	5703866101052
ETF-198S-3	-30/+85°C, 1000 Ohm @ 0°C <i>Frost protection, tubular receptacle, Ø 6.5 x 30 mm, 2,5 m cable</i>	Pt-1000	5703502500829
SENSOR, NON-AGGRESSIVE LIQUIDS			
ETF-422	-40/+120°C, 12 kOhm @ 25°C	NTC	5703866101489
ETF-498	-50/+165°C, 1000 Ohm @ 0°C <i>Ø 6.5 x 100 mm, 1/4" pipe thread, max. 6 atm, 2,5 m cable</i>	Pt-1000	5703866101588
SENSOR, MACHINE PARTS			
ETF-522	-40/+120°C, 12 kOhm @ 25°C	NTC	5703866101601
ETF-598-3	-50/+165°C, 1000 Ohm @ 0°C	Pt-1000	5703866115745
ETF-598S-3	-30/+85°C, 1000 Ohm @ 0°C <i>Ø 6.5 x 50 mm, max. 0.5 atm, 2,5 m cable</i>	Pt-1000	5703502500836
PLANT SENSOR, PIPES AND MACHINE PARTS			
ETF-622	-40/+120°C, 12 kOhm @ 25°C	NTC	5703866101700
ETF-698	-50/+165°C, 1000 Ohm @ 0°C <i>7 x 12 mm, hole Ø 3,5 mm, 2,5 m cable</i>	Pt-1000	5703866101847
WATERTIGHT SPACE/EXTERNAL SENSOR			
ETF-744/99	-20/+70°C, 12 kOhm @ 25°C	NTC	5703866101854
ETF-777/88	-20/+70°C, 2,7 kOhm @ 25°C	NTC	5703866101861
ETF-798	-20/+70°C, 1000 Ohm @ 0°C <i>85 x 45 x 35 mm, IP54, 2,5 m cable</i>	Pt-1000	5703866102950
SENSOR, NON-AGGRESSIVE LIQUIDS			
ETF-822	-40/+120°C, 12 kOhm @ 25°C	NTC	5703866101939
ETF-898	-40/+120°C, 1000 Ohm @ 0°C <i>Ø 6,5 x 200 mm, 1/4" pipe thread max. 6 atm, 2,5 m cable</i>	PT-1000	5703866102011
ROOM SENSOR/WALL INSTALLATION			
ETF-944/99-H	-20/+70°C, 12 kOhm @ 25°C	NTC	5703502500379
ETF-998-H	-20/+70°C, 1000 Ohm @ 0°C <i>79 x 80 x 16 mm, IP20, white</i>	Pt-1000	5703502500300
SENSORS FOR VENTILATION			
ETF-1098L1-0.5	-40/+85°C, 1000 Ohm @ 0°C	Pt-1000	5703502701325
ETF-1098L1-4	-40/+85°C, 1000 Ohm @ 0°C <i>Ø 12x100, 0,5 m or 4,0 m cable</i>	Pt-1000	5703502701349
WATERSENSOR FOR HEATER			
ETF-1198SR	-50/+165°C, 1000 Ohm @ 0°C, 1/4" tapered screw thread	Pt-1000	5703502660080
ETF-1198-SR½	-50/+165°C, 1000 Ohm @ 0°C, 1/2" tapered screw thread <i>Ø 3 x 250 mm, 10 m cable</i>	Pt-1000	5703502500881
VENTILATION SENSOR			
ETF-1133/44/55	-30/+90°C, 12 kOhm @ 25°C	NTC	5703866100406
ETF-1144/99	-10/+60°C, 12 kOhm @ 25°C	NTC	5703866102738
ETF-1198	-50/+165°C, 1000 Ohm @ 0°C <i>Ø 6,5 x 200 mm, maks. 0,5 atm, 2,5 m cable</i>	Pt-1000	5703866100444



ETF-1



ETF-4



ETF-5



ETF-6



ETF-7



ETF-8



ETF-9



ETF-1098L



ETF-1198-SR



ETF-11

TYPE	ARTICLE	DATA	EAN-NUMBER
ETF-1633/44/55 ETF-1698	PLANT SENSOR, PIPE -50/+70°C, 12 kOhm @ 25°C -50/+70°C, 1000 Ohm @ 0°C <i>With fixing strap</i> <i>65 x 50 x 44 mm, max. pipe 50 mm, IP42</i>	NTC Pt-1000	5703866100758 5703866100802
ETF-1733/44/55 ETF-1798	WATERTIGHT SPACE/EXTERNAL SENSOR -40/+70°C, 12 kOhm @ 25°C -40/+70°C, 1000 Ohm @ 0°C <i>54 x 52 x 27 mm, IP43</i>	NTC Pt-1000	5703866100819 5703866100864
ETF-1899A	PLANT SENSOR -20/+70°C, 12 kOhm @ 25°C <i>2,5 m cable</i>	NTC	5703866080357
ROTARY HEAT EXCHANGER CONTROLLER			
RHX2M-1211 RHX2M-1411 RHX2M-1611 RHX2M-1212 RHX2M-1412 RHX2M-1612	Controller and stepmotor Controller and stepmotor Controller and stepmotor Controller and stepmotor Controller and stepmotor Controller and stepmotor	1x230V, 2Nm, 0-10V DC, Modbus, IP43 1x230V, 4Nm, 0-10V DC, Modbus, IP43 1x230V, 6Nm, 0-10V DC, Modbus, IP43 1x230V, 2Nm, 0-10V DC, Modbus, IP54 1x230V, 4Nm, 0-10V DC, Modbus, IP54 1x230V, 6Nm, 0-10V DC, Modbus, IP54	5703502550947 5703502550954 5703502550961 5703502550800 5703502550817 5703502550824
AIR HANDLING CONTROLLERS			
TRD-3986 ETFVP-998	CONTROL OF VENTILATION UNITS Airhandling controller with frost protection. Scale 0-40°C, 1000 Ohm @ 0°C <i>Universal ventilation controller with 2 steps for heating or 1 step for heating and 1 for cooling. 0-10 VDC. Integrated frost protection of heating battery. All ETF xx98 sensors (PT1000) can be used</i>	24V AC/DC PT1000	5703502550497 5703502551074
TEMPERATURE CONTROLLERS			
EFRP-31	TEMPERATURECONTROLLER FOR DIN-RAIL Temperature controller for DIN-rail. <i>External sensor and night setback using an external clock. 1-step (0-10VDC or 10-0 VDC) P-Reg. All ETF-xx44 sensors (NTC12k) can be used</i>	14-24VAC / 0-10V DC	5703502540849
EFRP-91	TEMPERATURECONTROLLER FOR WALL MOUNTING Temperature controller for wall mounting. <i>Internal sensor and night setback using an external clock. 1 step (0-10VDC or 10-0 VDC) P-Reg. All ETF-xx44 sensors (NTC12k) can be used</i>	14-24VAC / 0-10V DC	5703502540856
EFRP-900	Potentiometer for wall mounting	0-10V DC	5703502540986



Intelligent Control
Maximum comfort with
low energy consumption

TYPE	ARTICLE	DATA	EAN-NUMBER
PRESSURE TRANSMITTERS			
	MEASURING RANGE 0-2500 PA		
PTH-3202	- 8 measuring ranges, -20°C/40°C	24V AC/14-28V DC	5703502550275
PTH-3202-CK	- 8 measuring ranges, -20°C/40°C incl. connectionkit	24V AC/14-28V DC	5703502550886
PTH-3202-DF	Display, flow calculations, -20°C/+40°C	24V AC/14-28V DC	5703502550695
PTH-3202-DF-CK	Display, flow calculations, incl. Connectionkit	24V AC/14-28V DC	5703502550893
PTH-3203-DF	- 10 Measuring ranges	24V AC/14-28V DC	5703502551333
	MEASURING RANGE 0-5000 PA		
PTH-3502	- 8 Measuring ranges	24V AC/14-28V DC	5703502550831
PTH-3502-CK	- 8 Measuring ranges, -20°C/40°C incl. connectionkit	24V AC/14-28V DC	5703502551210
PTH-3502-DF	Display, flow calculations	24V AC/14-28V DC	5703502550848
PTH-3502-DF-CK	Display, flow calculations, incl. Connectionkit	24V AC/14-28V DC	5703502551227
	MODBUS PRESSURETRANSMITTERS		
PTH-6201	Modbus/RTU, Screw terminals, measuring range 0-2500 Pa	24V DC	5703502551326
PTH-6201-DF	Modbus/RTU, Screw terminals, measuring range 0-2500 Pa, Display, flow calculations	24V DC	5703502900155
PTH-6202	Modbus/RTU, RJ12, measuring range 0-2500 Pa	24V DC via Modbus	5703502550930
PTH-6502	Modbus/RTU, RJ12, measuring range 0-5000 Pa	24V DC via Modbus	5703502551319
	CONSTANT PRESSURE CONTROLLER		
PRH-1212	Control setpoint 30-1600 Pa0-10 VDC output <i>Electronic constant pressure controller. It is primarily used for maintaining constant pressure in ventilation systems</i>	230 V AC, IP54	5703502550428
AIRFLOW TRANSMITTERS			
	MEASURING RANGE 0.2-1M/S OR 0.2-2M/S		
ESF-35-4	- without relay contact, 250 mm	24V AC, 16-30V DC	5703502560106
	MEASURING RANGE 0.5-8M/S OR 0.5-16M/S		
ESF-35-1	- with relay contact, 250 mm	24V AC, 16-30V DC, 6A	5703502510798
ESF-35-2	- without relay contact, 250 mm	24V AC, 16-30V DC	5703502510804
HUMIDITY TRANSMITTERS AND CONTROLLERS			
	HUMIDITY TRANSMITTER, OUTPUT SIGNAL 4-20 MA		
HTH-6121	- for surface wall mounting	10-100% rH, 8-20V DC	5703502560113
HTH-6122	Humidity transmitter for suspension	10-100% rH, 8-20V DC	5703502560120
HTH-6202	Humidity transmitter with Modbus, addr. 7Ah	10-100% rH, RJ12	5703502560168
HTH-6203	Humidity transmitter with Modbus, addr. 7Bh	10-100% rH, RJ12	5703502722023
HTH-6204	Humidity transmitter with Modbus, addr. 7Ch	10-100% rH, RJ12	5703502560199
	HYGROSTATS		
EHP-15	For DIN-rail installation <i>Adjustable differential and sensor tolerances.</i>	10-90%, 230V, 8A	5703502510774



PTH



PTH-F



PTH-MODBUS



PRH



ESF



HTH-6121



HTH-6122



HTH-6202



EHP

TYPE	ARTICLE	DATA	EAN-NUMBER
ALARM RELAYS			
MOISTURE AND WATER LEAKAGE ALARM			
F-NVP-15	For DIN-rail installation	230V, 10A	5703502410142
F-NVP-16	- with audible alarm signal	230V, 10A	5703502410135
F-NVP-35	For DIN-rail installation	24V, 10A	5703502560045
F-NVPPF-16	Plant sensor		5703866102806
F-NVPPF	Sensing ribbon	m	5703502510736
F-NVPPF	Sensing ribbon	m	5703502510736
F-NVPPFL	Glue for sensing ribbon	0.3L	5703502510811
FROST ALARM FOR DIN-RAIL			
EFST-6-1221	DC-output 0-10V	0/+20°C, 230V, 2x5A	5703502510170
EFST-6-3221	DC-output 0-10V	0/+20°C, 24V, 2x5A	5703502510187
<i>All ETF-.22 sensors (NTC) can be used (see p. 6-7)</i>			
FIRE ALARM FOR DIN-RAIL			
EBST-5-1221	Alarm	+40/+80°C, 230V, 2x5A	5703502510019
<i>All ETF-.22 sensors (NTC) can be used (see p. 6-7)</i>			
ACCESSORIES			
ACCESSORIES FOR TEMPERATURE SENSORS:			
ETFL-2	Sensor pocket, brass, Ø 8 x 100 mm, 1/4" pipe thread		5703866102493
ETFL-3	Sensor pocket, AISI 316, Ø 10 x 100 mm, 3/8" pipe thread		5703866102509
ETFP-1A	Heat paste with injector, 3g		5703502500898
MISCELLANEOUS ACCESSORIES:			
OJ-Air2-WP55	Room sensor with potentiometer for displacement of set point ±5°C	PT1000	5703502701707
OJ-Air2PWR80	Trafo for DIN-rail mounting	1 x 230, 2 x 24V/2 x 60VA	5703502701738
ETT-KH	Cover for ETT-6 and TRD, wall mounting		5703502590042



F-NVP



F-NVPPF-16



EFST-6



EBST-5



ETFL-2



ETFL-3



OJ-Air2WP55



OJ-Air2PWR80



ETT-KH



OJ Electronics' general terms of sale and delivery apply to all deliveries of products from OJ ELECTRONICS A/S

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